FINAL SUBMITTAL

ENERGY ENGINEERING ANALYSIS PROGRAM

LIGHTING SURVEY OF SELECTED BUILDINGS

PINE BLUFF ARSENAL

PINE BLUFF, ARKANSAS

VOLUME IIC

APPENDICES

CONTRACT NO. DACA01-94-D-0038
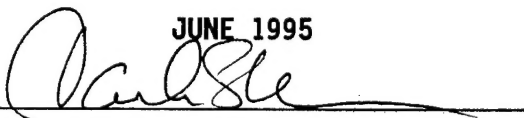DELIVERY ORDER NO. 0001

PREPARED FOR:

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK, ARKANSAS

PREPARED BY:

REYNOLDS, SMITH AND HILLS, INC.
ENERGY SERVICES DEPARTMENT
P.O. BOX 4850
JACKSONVILLE, FLORIDA 32201

PROJECT NO. 6941331001

JUNE 1995

Carlos S. Warren, PhD, PE
Project Manager

VOLUME IIC
TABLE OF CONTENTS

APPENDIX B (CONT'D)

DETAIL CALCULATIONS

Bldg 32-100 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	164	18	2,952
A2	164	50	8,200
B1	82	2	164
B2	82	3	246
C	82	6	492
D	82	7	574
E1	158	8	1,264
F1	82	12	984
G1	316	32	10,112
Totals		138	24,988

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A3	86	6	516
A4	110	3	330
A8	59	9	531
AR	59	3	177
BS	59	3	177
BT	59	2	118
C8	59	6	354
D8	59	7	413
E8	105	40	4,200
F8	59	12	708
S2	59	44	2,596
Totals		135	10,120

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-100   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 32-100	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 7-Feb-95
Prepared by: R. SHARMA	UPD: 2.4W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	2'X4' 4L STATIC GRID TROFFER LENS- .125" NOM PRISMATIC A12 COLUMBIA 2SG440-EXA.125NOM	F40CW ESB	000 - 164	18	
A2	2'X4' 4L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA 2SM440-EXA	F40CW ESB	000 - 164	50	
B1	4"X4'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS240	F40CW ESB	000 - 82	2	
B2	7"X4'2L STRIP W/SIDE MTD LAMPS OPEN BOTTOM- NO SHIELDING COLUMBIA DE240	F40CW ESB	000 - 82	3	
C	2'X2' 2L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA USM240-EXA	FB40/CW/6 ESB	000 - 82	6	
D	10"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WC240-A	F40CW ESB	000 - 82	7	
E1	11"X8' 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	F96T12/CW ESB	000 - 158	8	
F1	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW ESB	000 - 82	12	
	8'4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP496	F96T12/CW ESB	000 - 316	32	

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Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-100   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldg 32-100	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A3	2X4 3L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-243-3EOCT	FO32/31K EOCT	000 - 86	6	
A4	2X4 4L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-244	FO32/35K EOCT	000 - 110	3	
A8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	9	
AR	2X4 ACRYLIC LENS SILVER ECONOMY RETROFIT METALOPTICS 24EKSO42EP11	FO32/35K EOCT	000 - 59	3	
BS	7"X4' 2L STRIP W/SIDE MTD LAMPS OPEN BOTTOM- NO SHIELDING COLUMBIA DE240	FO32/35K EOCT	000 - 59	3	
BT	4"X4' 2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS240	FO32/35K EOCT	000 - 59	2	
C8	2'X2' 2L SURFACE MOUNT LENS- PRISMATIC A12 COLUMBIA USM240-EXA	FBO31/35K EOCT	000 - 59	6	
D8	10"X4' 2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WC240-A	FO32/35K EOCT	000 - 59	7	
E8	11"X8' 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	FO96/735 EOCT	000 - 105	40	

32-100 Schedule

●	OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	EOCT	- 59		
S2	2X4 2L SURFACE MOUNT LENS- .125" THK PRISMATIC A12 COLUMBIA 6113-52-242	FO32/35K EOCT	000 - 59	44	

NOTES:

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Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-100   Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 32-100	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.7W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
OFFICE #1	16x28x9Ft	(6)	Type A1	2.2	1
OFFICE #1-N	16x28x9Ft	(6)	Type A3	1.2	1
OFFICE #2	16x12x9Ft	(3)	Type A1	2.6	1
ᵀFICE #2-N	16x12x9Ft	(3)	Type AR	0.9	1
BREAK ROOM	19x18x9Ft	(3)	Type A1	1.4	1
BREAK ROOM-N	19x18x9Ft	(3)	Type A8	0.5	1
MEN'S ROOM	10x17x9Ft	(1)	Type B1	1.5	1
		(2)	Type B2		
MEN'S ROOM-N	10x17x9Ft	(2)	Type BS	1.1	1
		(1)	Type BT		
WOMEN'S ROOM	9x13x9Ft	(1)	Type B1	1.5	1
		(1)	Type B2		
WOMEN'S ROOM-N	9x13x9Ft	(1)	Type BS	1.0	1
		(1)	Type BT		
ENTRANCE AREA	24x6x9Ft	(3)	Type C	1.7	1
ENTRANCE AREA-N	24x6x9Ft	(3)	Type C8	1.2	1
STORAGE #1	24x11x9Ft	(4)	Type D	1.2	1
STORAGE #1-N	24x11x9Ft	(4)	Type D8	0.9	1
ABORATORY	60x39x9Ft	(42)	Type A2	3.0	1
		(3)	Type C		
LABORATORY-N	60x39x9Ft	(3)	Type C8	1.1	1
		(42)	Type S2		

LAB-HALLWAY	40x10x9Ft	(5)	Type A2	2.0	1
LAB-HALLWAY-N	40x10x9Ft	(2)	Type S2	0.3	1
ELECTRONIC-TEST	13x18x9Ft	(3)	Type A2	2.1	1
ELECTR TEST-N	13x18x9Ft	(3)	Type A4	1.4	1
STORAGE #2	11x18x9Ft	(3)	Type D	1.2	1
STORAGE #2-N	11x18x9Ft	(3)	Type D8	0.9	1
TRAINING AREA	15x29x9Ft	(6)	Type A1	2.3	1
TRAINING AREA-N	15x29x9Ft	(6)	Type A8	0.8	1
REBUILD SHOP	72x42x15Ft	(8) (12) (11)	Type E1 Type F1 Type G1	1.9	1
REBUILD SHOP-N	72x42x15Ft	(19) (12)	Type E8 Type F8	0.9	1
REBUILD SHOP	33x61x15Ft	(21)	Type G1	3.3	1
REBUILD SHOP-N	33x61x15Ft	(21)	Type E8	1.1	1

NOTES:

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Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-100   Type: Indoor

Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 32-100 Prepared for: CORP OF ENGINEERS Prepared by: R. SHARMA	Project #6941331 Date: 9-Mar-95 UPD: 1.7W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
OFFICE #1	16x28x9Ft	GRID	<+>	58.8	77.3	27.1
OFFICE #1-N	16x28x9Ft	GRID	<+>	44.4	57.4	20.6
OFFICE #2	16x12x9Ft	GRID	<+>	59.3	112.1	17.7
OFFICE #2-N	16x12x9Ft	GRID	<+>	33.7	62.0	10.5
BREAK ROOM	19x18x9Ft	GRID	<+>	41.0	68.4	6.1
BREAK ROOM-N	19x18x9Ft	GRID	<+>	21.3	35.0	3.2
MEN'S ROOM	10x17x9Ft	GRID	<+>	32.0	68.5	6.7
MEN'S ROOM-N	10x17x9Ft	GRID	<+>	28.5	61.1	5.9
WOMEN'S ROOM	9x13x9Ft	GRID	<+>	30.4	55.4	2.3
WOMEN'S ROOM-N	9x13x9Ft	GRID	<+>	27.1	49.4	2.0
ENTRANCE AREA	24x6x9Ft	GRID	<+>	34.2	49.2	10.7
ENTRANCE AREA-N	24x6x9Ft	GRID	<+>	30.9	44.5	9.7
STORAGE #1	24x11x9Ft	GRID	<+>	25.4	38.0	10.6
STORAGE #1-N	24x11x9Ft	GRID	<+>	22.6	33.9	9.5
LABORATORY	60x39x9Ft	GRID	<+>	105.6	177.2	16.2
LABORATORY-N	60x39x9Ft	GRID	<+>	54.0	87.4	12.5
LAB-HALLWAY	40x10x9Ft	GRID	<+>	51.5	92.4	3.0
LAB-HALLWAY-N	40x10x9Ft	GRID	<+>	10.4	27.7	0.5

ELECTRONIC-TEST	13x18x9Ft	GRID	<+>	53.3	92.7	14.0
ELECTR TEST-N	13x18x9Ft	GRID	<+>	50.2	90.2	12.8
STORAGE #2	11x18x9Ft	GRID	<+>	25.5	39.9	8.6
STORAGE #2-N	11x18x9Ft	GRID	<+>	22.7	35.6	7.7
TRAINING AREA	15x29x9Ft	GRID	<+>	64.5	93.1	10.1
TRAINING AREA-N	15x29x9Ft	GRID	<+>	33.2	47.3	4.6
REBUILD SHOP	72x42x15Ft	Ceiling	<+>	73.9	147.7	17.3
REBUILD SHOP-N	72x42x15Ft	Ceiling	<+>	46.3	70.8	14.3
REBUILD SHOP	33x61x15Ft	Ceiling	<+>	117.0	188.9	25.0
REBUILD SHOP-N	33x61x15Ft	Ceiling	<+>	51.6	79.4	12.3

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:08 7-Feb-95
PROJECT: 32-100   AREA: OFFICE #1   GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=27.1   MAX=77.3   AVE=58.8   AVE/MIN=   2.17 MAX/MIN=   2.85

A1 <6> = K7952 COLUMBIA 2SG440-EXA.125NOM, (4) F40CW, LLF= 0.68

```
Y-AXIS

 26.0 43.6 64.2 65.9 60.0 56.7 60.0 65.9 64.2 43.6
          A1                      A1
 24.0 49.6 73.4 75.3 67.3 63.2 67.3 75.3 73.4 49.6

 22.0 47.2 69.0 70.9 64.3 60.6 64.3 70.9 69.0 47.2

 20.0 42.4 60.9 62.5 58.2 54.4 58.2 62.5 60.9 42.4

 18.0 42.4 61.1 62.6 58.4 54.4 58.4 62.6 61.1 42.4

 16.0 47.8 69.7 71.5 64.9 61.0 64.9 71.5 69.7 47.8
          A1                      A1
 14.0 51.1 75.2 77.3 69.0 64.7 69.0 77.3 75.2 51.1

 12.0 47.7 69.5 71.4 64.7 60.9 64.7 71.4 69.5 47.7

 10.0 42.3 60.9 62.4 58.0 54.2 58.0 62.4 60.9 42.3

  8.0 42.1 60.5 62.1 57.8 53.8 57.8 62.1 60.5 42.1

  6.0 46.9 68.4 70.2 63.7 59.8 63.7 70.2 68.4 46.9
          A1                      A1
  4.0 49.2 72.5 74.5 66.4 62.4 66.4 74.5 72.5 49.2

  2.0 43.0 63.2 64.8 58.9 55.6 58.9 64.8 63.2 43.0

  0.0 27.1 38.0 39.2 36.3 33.8 36.3 39.2 38.0 27.1
      0.0      4.0      8.0      12.0     16.0
          2.0      6.0     10.0     14.0
                 X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:55 9-Mar-95
PROJECT: 32-100 AREA: OFFICE #1-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.6   MAX=57.4   AVE=44.4   AVE/MIN=   2.16 MAX/MIN=   2.79

A3 <6> = A9720 COLUMBIA T84PS2*-84-243-3EOCT, <3> FO32/31K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:10 7-Feb-95
PROJECT: 32-100 AREA: OFFICE #2 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.7   MAX=112.   AVE=59.3   AVE/MIN=   3.35 MAX/MIN=   6.34

A1 <3> = K7952 COLUMBIA 2SG440-EXA.125NOM, (4) F40CW, LLF= 0.68

Y-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:58 9-Mar-95
PROJECT: 32-100 AREA: OFFICE #2-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.5   MAX=62.0   AVE=33.7   AVE/MIN=   3.22 MAX/MIN=   5.92

AR <3> = T10620 METALOPTICS 24EKS042EP11, <2> F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:17 7-Feb-95
PROJECT: 32-100 AREA: BREAK ROOM   GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.06   MAX=68.4   AVE=41.0   AVE/MIN= 6.77 MAX/MIN= 11.29

A1 ⟨3⟩ = K7952 COLUMBIA 2SG440-EXA.125NOM, (4) F40CW, LLF= 0.68

Y-AXIS

Y									
18.0	25.5	28.4	28.8	27.6	28.0	28.5	26.6	21.6	14.3
16.0	45.7	51.5	51.2	49.5	50.0	51.3	47.9	37.8	25.3
14.0	57.5	66.9	65.6	62.6	63.2	66.3	47.3	30.6	
12.0	58.0	68.4	68.2	65.9	66.2	68.4	62.9	47.8	30.7
10.0	47.7	57.3	61.5	62.3	61.6	59.2	51.8	39.5	25.7
8.0	36.2	46.9	56.7	60.9	59.2	51.4	40.3	29.1	19.2
6.0	28.7	41.6	56.1	64.6	61.3	48.4	33.5	21.6	13.4
4.0	23.8	37.8	55.	66.4	62.0	45.8	29.1	17.5	10.1
2.0	20.2	32.7	47.7	57.1	53.2	39.8	25.7		
0.0	6.06	12.1	20.3	29.7	35.1	33.0	24.9	15.7	

| | 0.0 | 2.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 |

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:01 9-Mar-95
PROJECT: 32-100 AREA: BREAK ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.16   MAX=35.0   AVE=21.3   AVE/MIN=   6.73 MAX/MIN=   11.05

A8 <3> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, <2> FO32/31K, LLF= 0.66

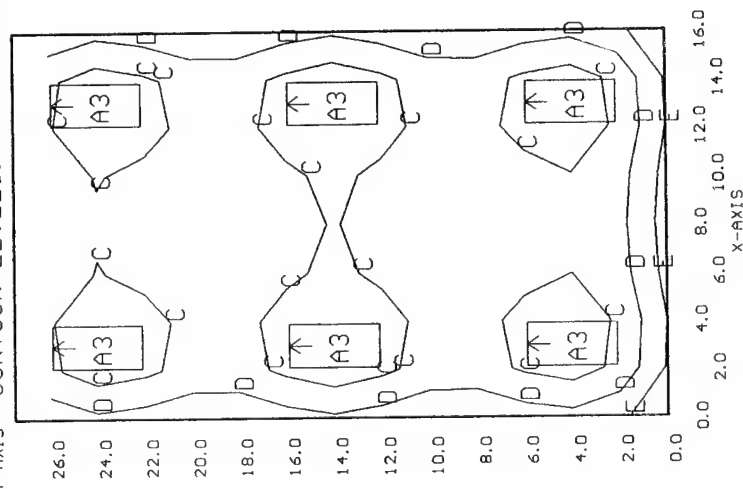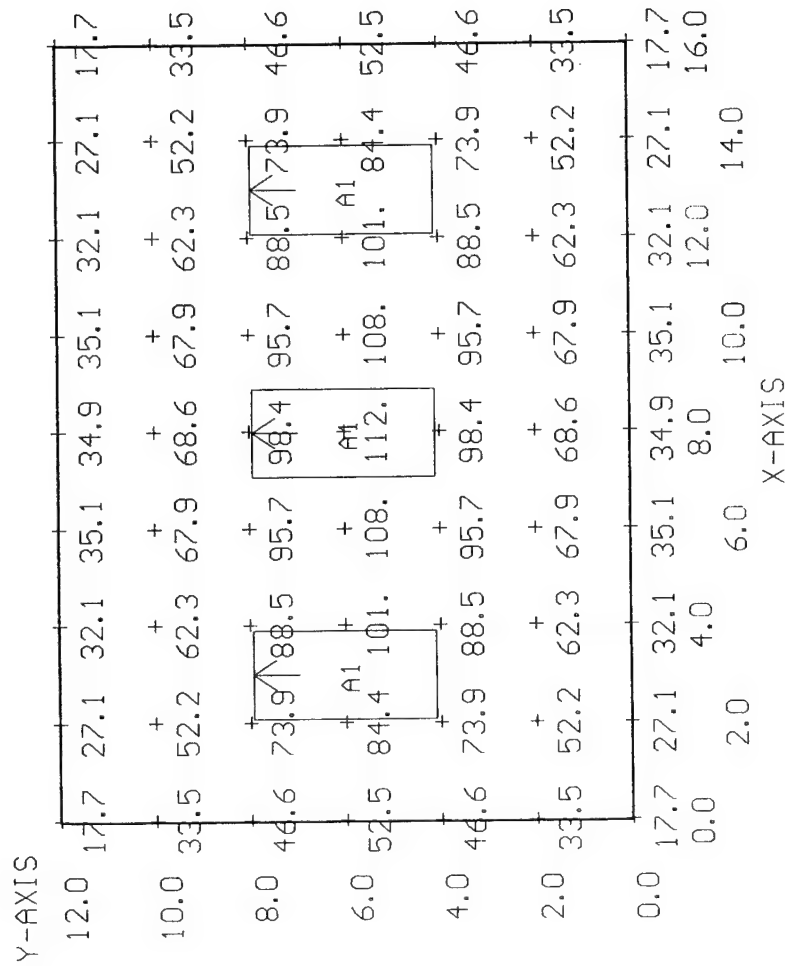CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:27 7-Feb-95
PROJECT: 32-100 AREA: MEN'S ROOM GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.65   MAX=68.5   AVE=32.0   AVE/MIN= 4.81 MAX/MIN= 10.31

B1 <1> = K7992 COLUMBIA CS240, <2> F40CW, LLF= 0.73
B2 <2> = K8990 COLUMBIA DE240, <2> F40CW, LLF= 0.73

Y-AXIS

```
16.0  13.2  +23.9  +32.6  +45.6  52.8  B1
14.0  14.9  +27.6  +38.4  +54.0  64.1  B2
12.0  15.9  +29.1  +41.1  +57.9  68.5  B1
10.0  16.0  +29.3  +40.6  +55.9  65.3  B2
 8.0  15.3  +27.5  +37.2  +49.8  58.0
 6.0  13.8  +24.6  +32.7  +42.1  47.6  B1
 4.0  12.0  +21.2  +26.9  +33.6  36.1
 2.0  10.2  +17.5  +20.6  +23.3

      6.65 10.7 12.7  9.06   8.0
 0.0   2.0   4.0   6.0   8.0
```

X-AXIS
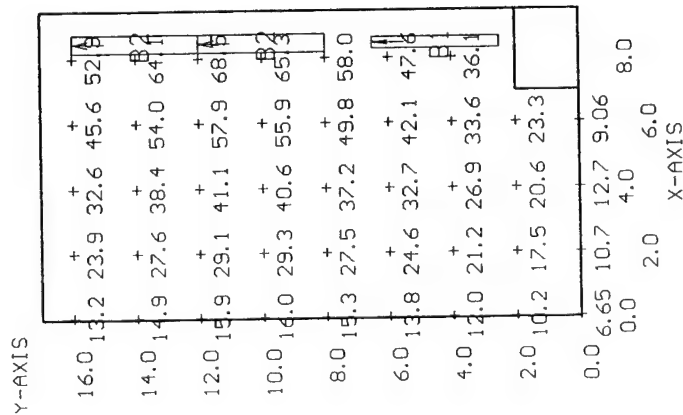
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:05 9-Mar-95
PROJECT: 32-100 AREA: MEN'S ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.93   MAX=61.1   AVE=28.5   AVE/MIN= 4.81 MAX/MIN= 10.31

BS <2> = K8990 COLUMBIA DE240, <2> FO32/35K, LLF= 0.70
BT <1> = K7992 COLUMBIA CS240, <2> FO32/35K, LLF= 0.70

Y-AXIS

```
16.0  11.8  21.3  29.1  40.6  47.2
14.0  13.3  24.6  34.3  48.2  57.2
12.0  14.1  26.0  36.7  51.6  61.?
10.0  14.2  26.1  36.2  49.9  58.2
 8.0  13.7  24.5  33.2  44.4  51.7
 6.0  12.3  21.9  29.1  37.5  42.5
 4.0  10.7  18.9  24.0  29.9  32.2
 2.0  9.11  15.6  18.4  20.8
 0.0  5.93  9.53  11.3  8.08
      0.0         4.0         8.0
            2.0         6.0
                  X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:29 7-Feb-95
PROJECT: 32-100   AREA: WOMEN'S ROOM   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
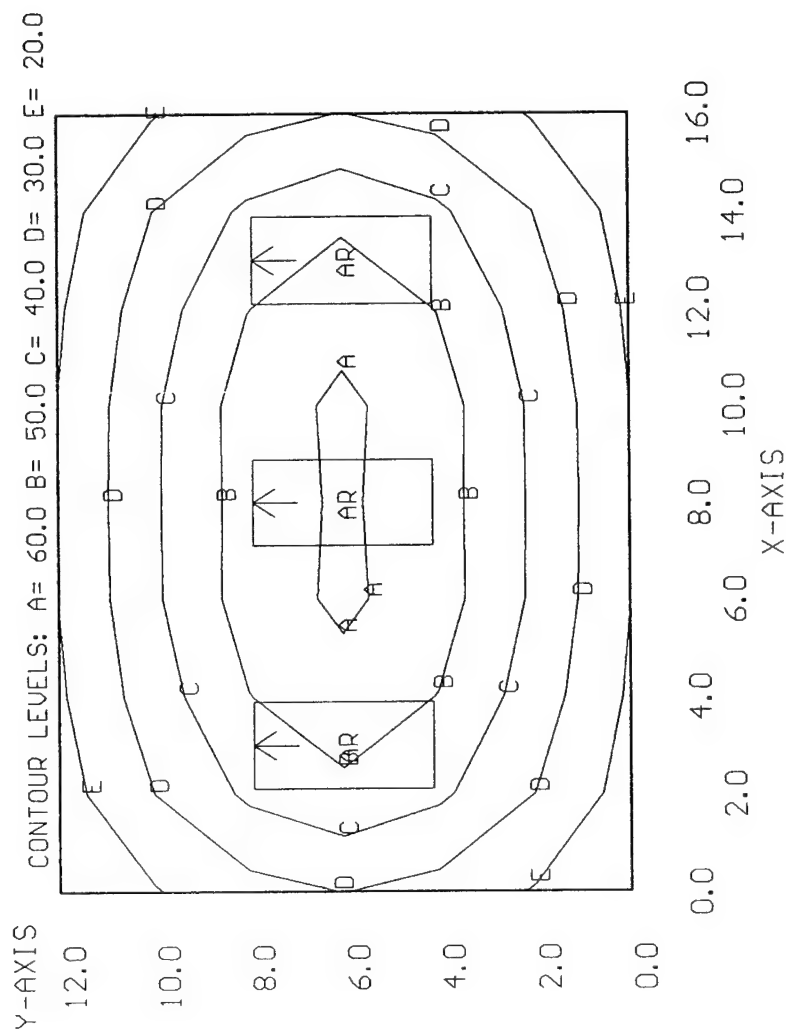Computed in accordance with IES recommendations

+ MIN=2.25   MAX=55.4   AVE=30.4   AVE/MIN= 13.49 MAX/MIN= 24.60
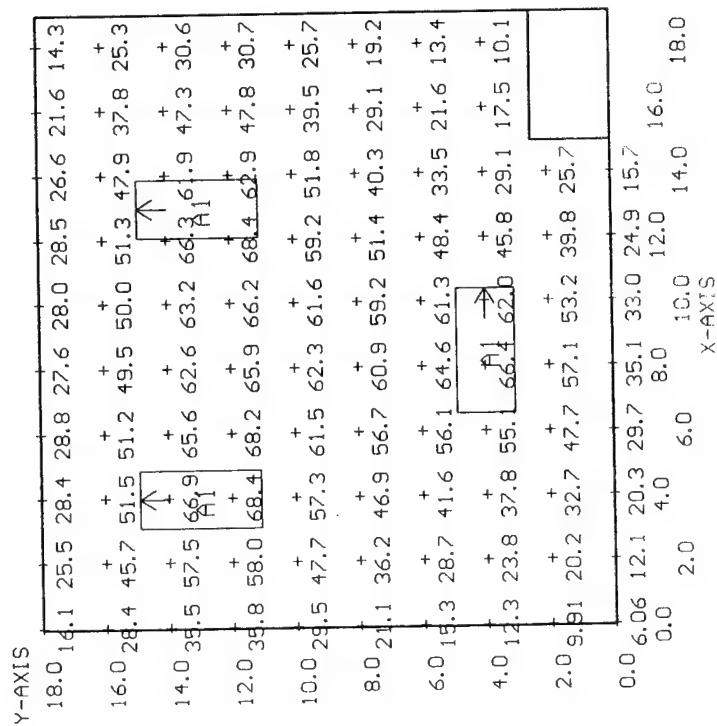

B1 <1> = K7992 COLUMBIA CS240, (2) F40CW, LLF= 0.73
B2 <1> = K8990 COLUMBIA DE240, (2) F40CW, LLF= 0.73

Y-AXIS

```
12.0  36.7  +47.3  +39.0  +28.3  +20.6
           B2
10.0  44.5  +55.4  +45.7  +32.4  +23.3

 8.0  43.4  +53.4  +44.7  +32.1  +23.4
           B1
 6.0  36.5  +43.9  +38.2  +27.7  +20.6

 4.0                      +16.0  +16.3

 2.0                      +5.86  +8.88

 0.0                      2.25   3.59
      0.0          4.0            8.0
           2.0          6.0
              X-AXIS
```
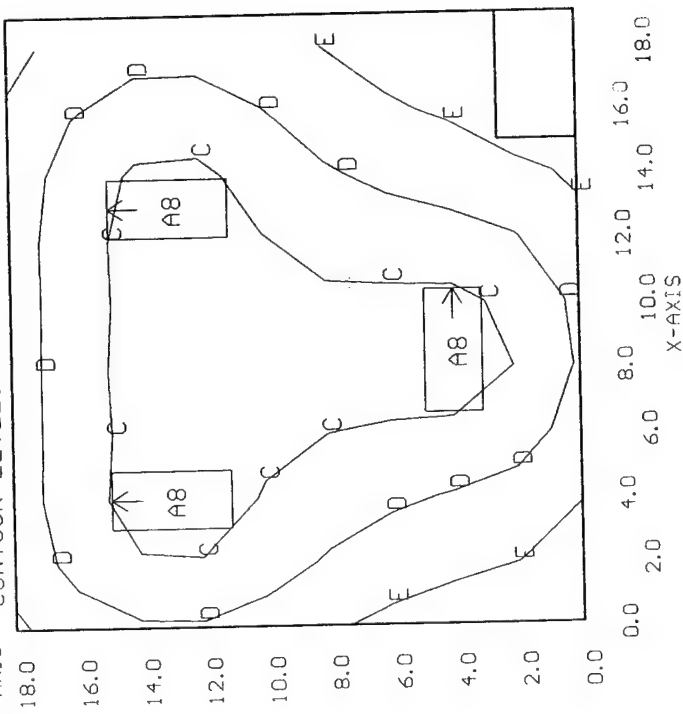
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:07 9-Mar-95
PROJECT: 32-100 AREA: WOMEN'S ROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.01   MAX=49.4   AVE=27.1   AVE/MIN= 13.49 MAX/MIN= 24.60

BS <1> = K8990 COLUMBIA DE240, <2> F032/35K, LLF= 0.70
BT <1> = K7992 COLUMBIA CS240, <2> F032/35K, LLF= 0.70

Y-AXIS

```
12.0 32.7  42.2  34.8  25.3  18.4
         +    +    +    +    +
10.0 39.7  49.4  40.8  28.9  20.8
         +    +    +    +    +
 8.0 38.7  47.6  39.9  28.6  20.9
         +    +    +    +    +
 6.0 32.5  39.1  34.1  24.7  18.3
         +    +    +    +    +
 4.0              14.3  14.5
                    +    +
 2.0               5.22  7.92
                    +    +
 0.0
     0.0   2.0   4.0   6.0   8.0
                                2.01  3.20
                                6.0
                                8.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:05 1-Feb-95
PROJECT: 32-100 AREA: ENTRANCE AREA GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.7   MAX=49.2   AVE=34.2   AVE/MIN= 3.19   MAX/MIN= 4.60

C <3> = K8276 COLUMBIA USM240-EXA, (2) FB40/CW/6, LLF= 0.68

Y-AXIS

6.0   +   21.6 16.6

4.0   +   37.6 27.0
                                                                        C
                                                                        +
2.0   +   +   +   +   +   +   +   +   43.7 30.2
         10.3 29.2 39.0 46.4 46.5 48.0 46.7 44.8 43.9

0.0   10.7 20.7 29.1 34.6 35.3 35.4 36.5 37.8 35.8 33.2 31.7 30.8 22.1
          0.0   4.0   6.0   8.0 10.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0
                                                                    X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:11 9-Mar-95
PROJECT: 32-100   AREA: ENTRANCE AREA-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

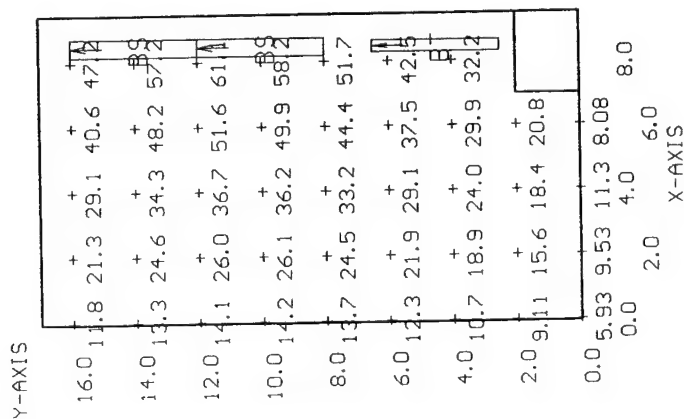+ MIN=9.67   MAX=44.5   AVE=30.9   AVE/MIN=   3.19 MAX/MIN=   4.60

C8 <3> = K8276 COLUMBIA USM240-EXA, <2> FB031/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS
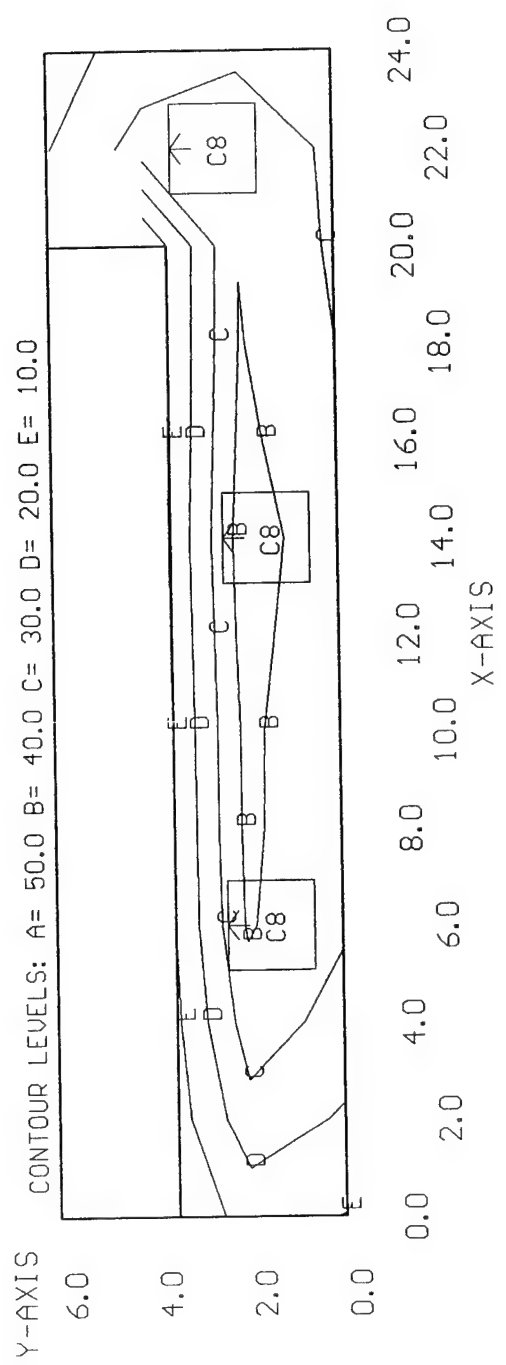
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:20 1-Feb-95
PROJECT: 32-100 AREA: STORAGE #1 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.6   MAX=38.0   AVE=25.4   AVE/MIN=   2.39 MAX/MIN=   3.58

D <4> = KA9513 COLUMBIA WC240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
       +    +    +    +    +    +    +    +    +    +    +
10.0 14.6 25.5 31.2 31.2 25.2 18.9 16.7 18.9 25.2 31.2 31.2 25.5 14.6
             | D    → |                        | D    → |
       +                +    +    +    +    +    +    +    +
8.0  16.7 29.0 36.0 36.0 29.1 21.9 19.1 21.9 29.1 36.0 36.0 29.0 16.7

       +    +    +    +    +    +    +    +    +    +    +
6.0  17.8 30.8 37.9 38.0 31.2 23.5 20.3 23.5 31.2 38.0 37.9 30.8 17.8

       +    +    +    +    +    +    +    +    +    +    +
4.0  17.4 30.2 37.4 37.4 30.5 22.9 19.9 22.9 30.5 37.4 37.4 30.2 17.4
             | D    → |                        | D    → |
       +                +    +    +    +    +    +    +    +
2.0  15.7 27.4 34.0 33.9 27.3 20.5 18.0 20.5 27.3 33.9 34.0 27.4 15.7

0.0  10.6 18.1 22.5 22.6 18.6 14.1 12.3 14.1 18.6 22.6 22.5 18.1 10.6
     0.0       4.0       8.0       12.0      16.0      20.0      24.0
         2.0       6.0       10.0      14.0      18.0      22.0
```
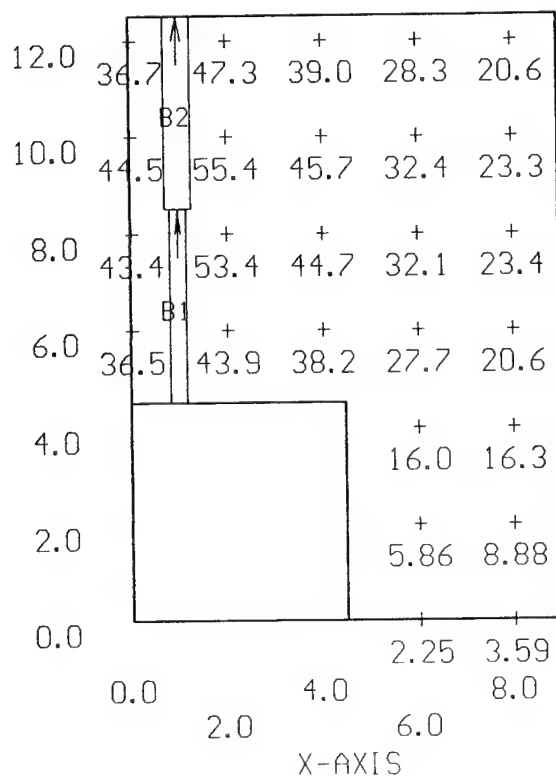
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:16 9-Mar-95
PROJECT: 32-100 AREA: STORAGE #1-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.46   MAX=33.9   AVE=22.6   AVE/MIN=   2.39 MAX/MIN=   3.58

D8 <4> = KA9513 COLUMBIA WC240-A, (2) FO32/35K, LLF= 0.66

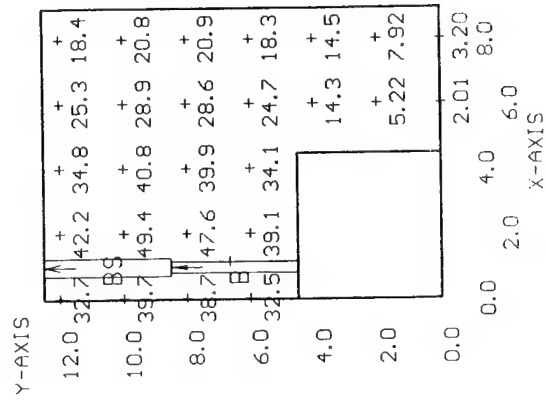Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:47 7-Feb-95
PROJECT: 32-100 AREA: LABORATORY   GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.2   MAX=177.   AVE=106.   AVE/MIN= 6.51 MAX/MIN= 10.92

A2 <42> = K8277 COLUMBIA 2SM440-EXA, <4> F40CW, LLF= 0.68
C <3> = K8276 COLUMBIA USM240-EXA, <2> FB40/CW/6, LLF= 0.68
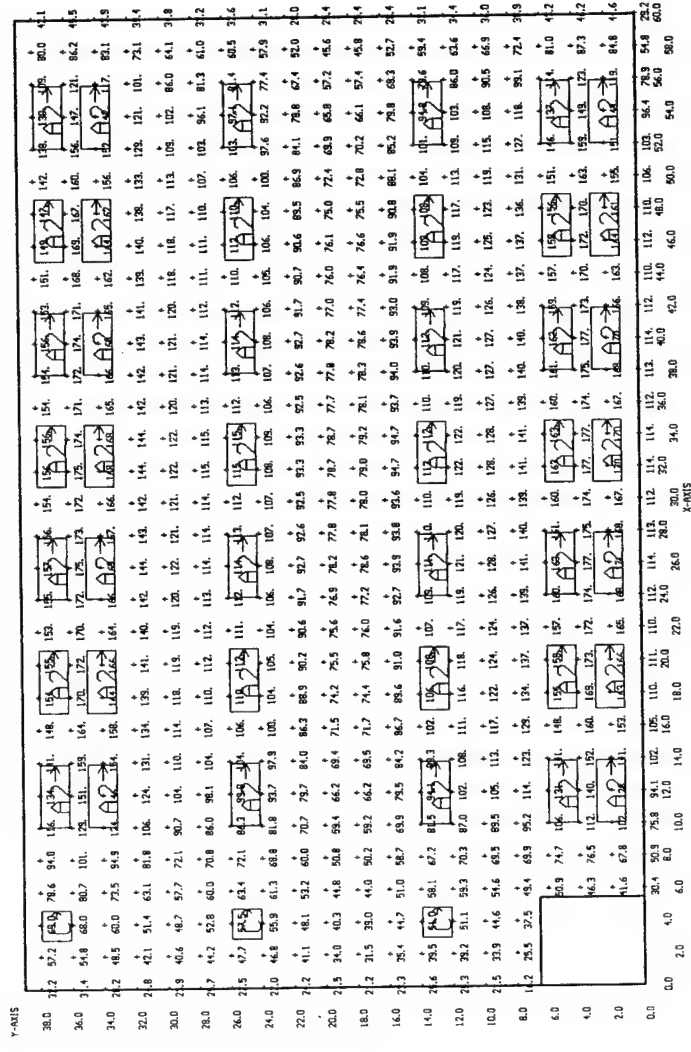
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:32 9-Mar-95
PROJECT: 32-100 AREA: LABORATORY-N GRID: GRID
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

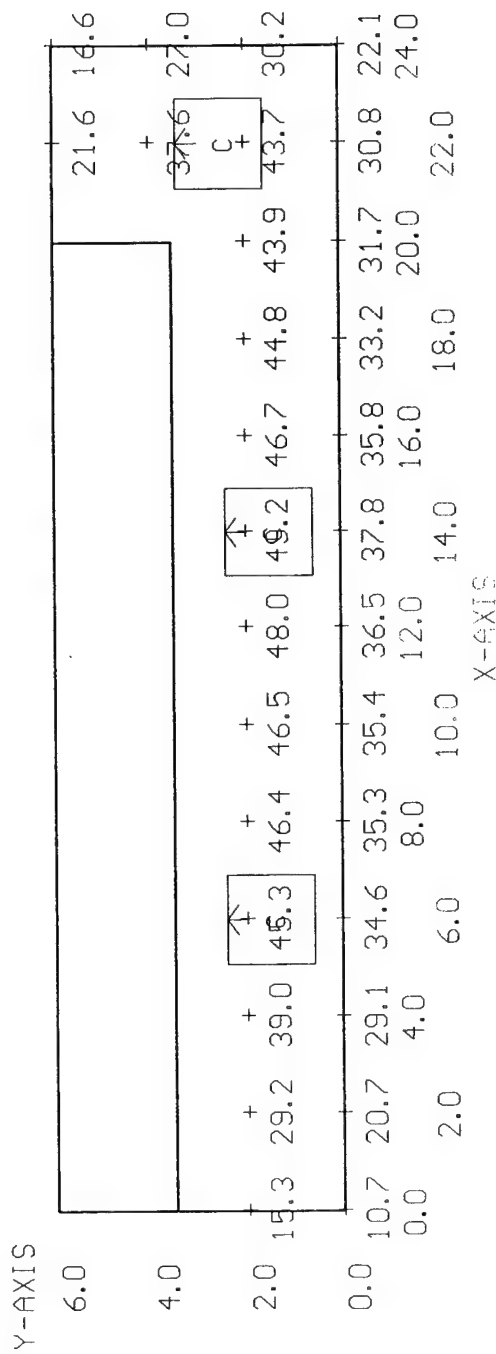+ MIN=12.5   MAX=87.4   AVE=54.0   AVE/MIN= 4.33 MAX/MIN= 7.01

C8 <3> = K8276 COLUMBIA USM240-EXA, <2> FB031/35K, LLF= 0.66
S2 <42> = I38116 COLUMBIA 6113-52-242, <2> F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 80.0 B= 70.0 C= 60.0 D= 50.0 E= 40.0
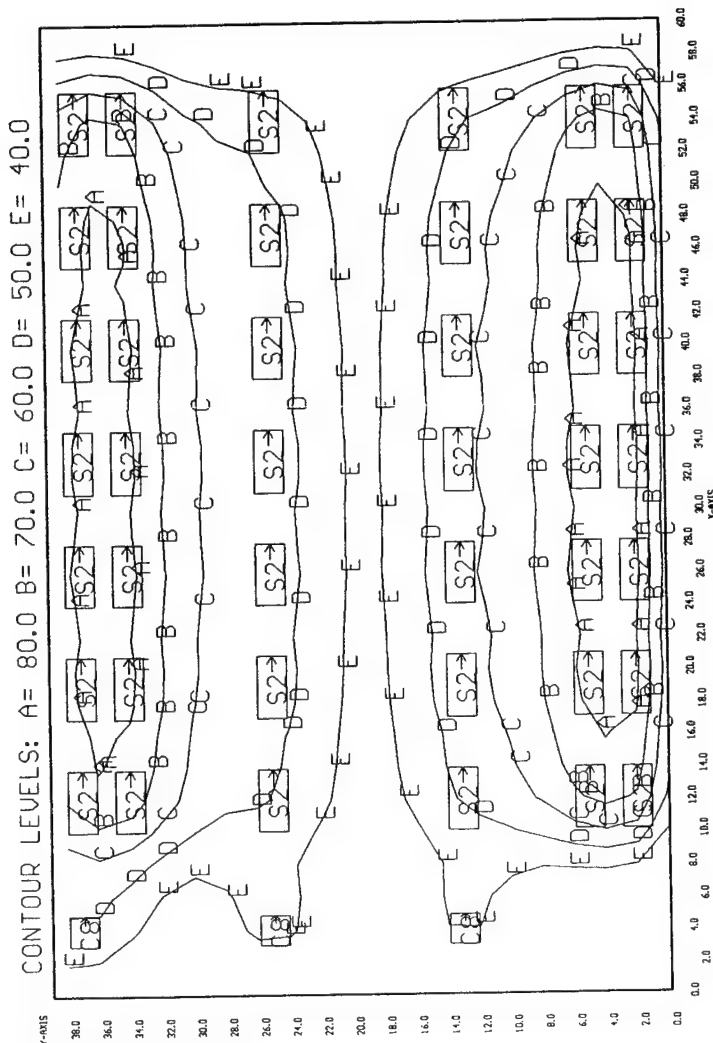
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:50 7-Feb-95
PROJECT: 32-100 AREA: LAB-HALLWAY GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.98   MAX=92.4   AVE=92.4   AVE/MIN= 17.32 MAX/MIN= 31.05
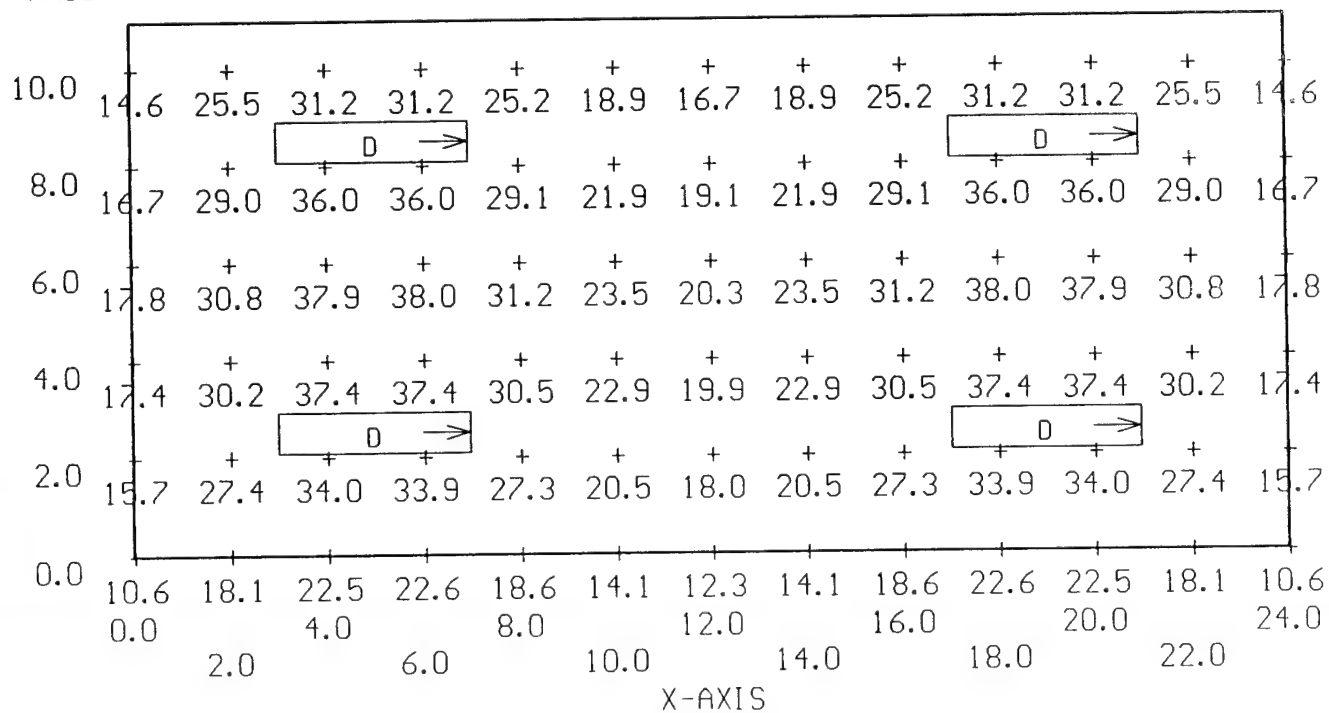
+ MIN=2.98   MAX=92.4   AVE=51.5

A2 <5> = K8277 COLUMBIA 2SM440-EXA, <4> F40CW, LLF= 0.68

Y-AXIS

```
10.0 2.98 5.38 7.60 11.7 18.6 27.1 33.9 37.8 40.0 41.4 42.0 42.4 42.8 42.9 42.8 42.3 41.2 39.0 34.6 22.4
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 8.0 5.09 9.50 12.9 19.9 32.1 47.0 59.2 67.1 71.2 73.0 74.1 74.8 75.0 75.3 75.2 74.6 73.2 69.5 61.5 39.3
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 6.0 5.30 9.79 14.0 23.1 38.5 58.0 74.3 82.4 86.4 88.8 90.5 91.5 92.3 92.0 91.5 92.3 91.3 88.8 85.0 74.6 47.7
       +    +    +    +    +  [A2]    +    +  [A2]    +    +  [A2]    +    +    +  [A2]    +
 4.0 5.30 9.79 14.0 23.1 38.5 58.0 74.3 82.4 86.8 90.1 90.5 90.9 92.4 92.0 90.9 92.4 91.3 88.8 85.0 74.6 47.7
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 2.0 5.09 9.50 12.9 19.9 32.1 47.0 59.2 67.1 71.2 73.0 74.1 74.8 75.0 75.3 75.2 74.6 73.2 69.5 61.5 39.3
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 0.0 2.98 5.38 7.60 11.7 18.6 27.1 33.9 37.8 40.0 41.4 42.0 42.4 42.8 42.9 42.8 42.3 41.2 39.0 34.6 22.4
 0.0     2.0    4.0    6.0    8.0   10.0   12.0   14.0   16.0   18.0   20.0   22.0   24.0   26.0   28.0   30.0   32.0   34.0   36.0   38.0   40.0
```

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:38 9-Mar-95
PROJECT: 32-100 AREA: LAB-HALLWAY-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=0.53   MAX=27.7   AVE=10.4   AVE/MIN= 19.39 MAX/MIN= 51.51

S2 <2> = I38116 COLUMBIA 6113-52-242, <2> F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

Y-AXIS

10.0
8.0
6.0
4.0
2.0
0.0

0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0
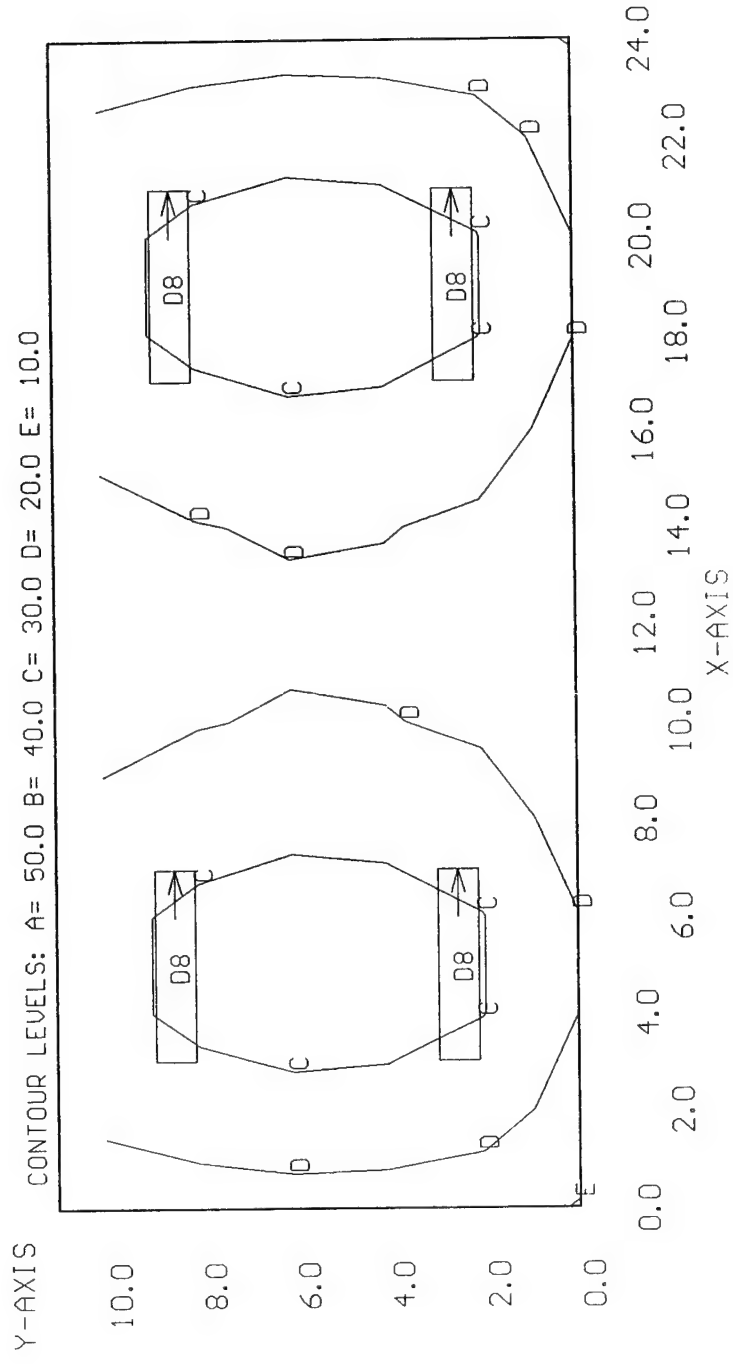X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:53 7-Feb-95
PROJECT: 32-100 AREA: ELECTRONIC-TEST GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=14.0   MAX=92.7   AVE=53.3   AVE/MIN= 3.80 MAX/MIN= 6.61

A2 <3> = K8277 COLUMBIA 2SM440-EXA, <4> F40CW, LLF= 0.68

Y-AXIS

18.0	14.0	27.4	40.3	48.3	45.4	33.9	21.5
16.0	21.2	41.7	61.2	74.4	69.6	51.5	33.4
14.0	24.2	47.8	70.7	85.6	80.2	59.3	37.8
12.0	25.8	51.8	76.6	91.8	86.2	64.3	40.7
10.0	26.5	52.0	76.7	92.7	86.9	64.5	41.2
8.0	26.5	52.0	76.7	92.7	86.9	64.5	41.2
6.0	25.8	51.8	76.6	91.8	86.2	64.3	40.7
4.0	24.2	47.8	70.7	85.6	80.2	59.3	37.8
2.0	21.2	41.7	61.2	74.4	69.6	51.5	33.4
0.0	14.0	27.4	40.3	48.3	45.4	33.9	21.5

A2 labels appear at rows 16.0, 10.0, and 4.0.

X-AXIS: 0.0 2.0 4.0 6.0 8.0 10.0 12.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:42 9-Mar-95
PROJECT: 32-100 AREA: ELECTR TEST-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.8   MAX=90.2   AVE=50.2   AVE/MIN= 3.93 MAX/MIN= 7.06

A4 <3> = 10002 COLUMBIA T84PS2*-84-244, (4) F032/35K, LLF= 0.66

Y-AXIS

18.0	12.8	25.2	37.0	44.1	41.5	31.2	19.6
16.0	19.3	38.6	57.3	70.4	65.6	47.8	30.5
14.0	22.0	45.0	68.1	83.3	77.8	56.6	34.8
12.0	23.9	48.5	71.5	85.8	80.5	60.2	37.7
10.0	24.1	48.7	73.8	90.2	84.3	61.3	37.8
8.0	24.1	48.7	73.8	90.2	84.3	61.3	37.8
6.0	23.9	48.5	71.5	85.8	80.5	60.2	37.7
4.0	22.0	45.0	68.1	83.3	72.8	56.6	34.8
2.0	19.3	38.6	57.3	70.4	65.6	47.8	30.5
0.0	12.8	25.2	37.0	44.1	41.5	31.2	19.6

A4

0.0   2.0   4.0   6.0   8.0   10.0   12.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:31 1-Feb-95
PROJECT: 32-100   AREA: STORAGE #2   GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
 omputed in accordance with IES recommendations

+ MIN=8.59   MAX=39.9   AVE=25.5   AVE/MIN=   2.97 MAX/MIN=   4.65
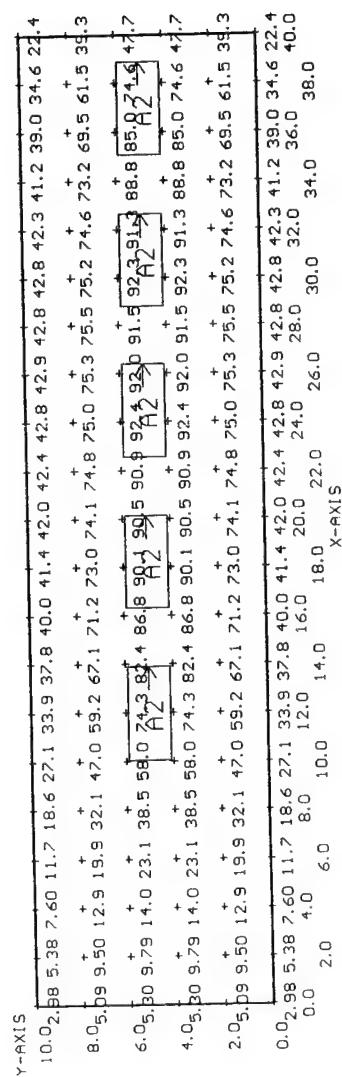

D <3> = KA9513 COLUMBIA WC240-A, (2) F40CW, LLF= 0.68


```
Y-AXIS
 18.0 8.59  15.0  19.4  20.5  17.4  12.5

       +     +     +     +     +     +
 16.0 13.1  23.5 |30.5  32.3  27.2| 19.8
                 |              →  |
       +     +   | +     +     + | +
 14.0 15.0  26.8  35.0  37.2  31.3  22.3

       +     +     +     +     +     +
 12.0 16.0  28.6  36.9  39.1  33.2  23.8

       +     +     +     +     +     +
 10.0 16.1  28.7 |37.6  39.9  33.5| 23.9
                 |              →  |
       +     +   | +     +     + | +
  8.0 16.1  28.7  37.6  39.9  33.5  23.9

       +     +     +     +     +     +
  6.0 16.0  28.6  36.9  39.1  33.2  23.8

       +     +     +     +     +     +
  4.0 15.0  26.8 |35.0  37.2  31.3| 22.3
                 |              →  |
       +     +   | +     +     + | +
  2.0 13.1  23.5  30.5  32.3  27.2  19.8

  0.0 8.59  15.0  19.4  20.5  17.4  12.5
      0.0        4.0        8.0
           2.0        6.0        10.0
                 X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:44 9-Mar-95
PROJECT: 32-100 AREA: STORAGE #2-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=7.66   MAX=35.6   AVE=22.7   AVE/MIN=   2.97 MAX/MIN=   4.65
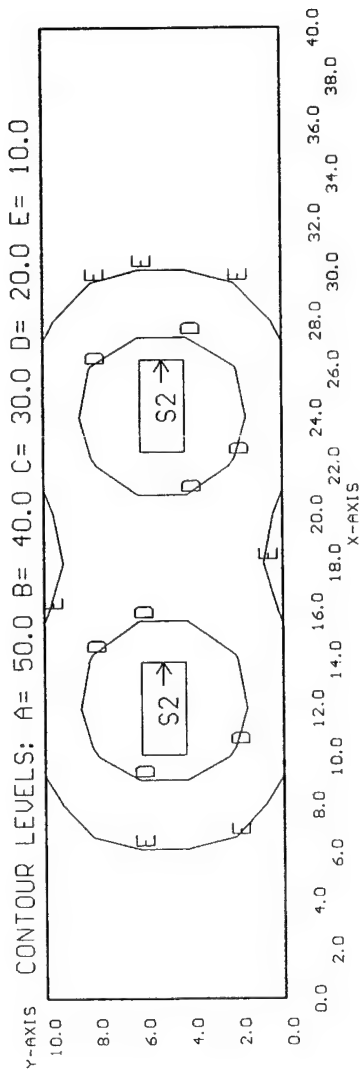
D8 <3> = KA9513 COLUMBIA WC240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

18.0	7.66	13.4	17.3	18.3	15.5	11.2
16.0	11.7	21.0	27.2	28.8	24.3	17.6
14.0	13.3	23.9	31.2	33.2	27.9	19.9
12.0	14.2	25.5	33.0	34.9	29.6	21.3
10.0	14.4	25.6	33.5	35.6	29.9	21.3
8.0	14.4	25.6	33.5	35.6	29.6	21.3
6.0	14.2	25.5	33.0	34.9	29.6	21.3
4.0	13.3	23.9	31.2	33.2	27.9	19.9
2.0	11.7	21.0	27.2	28.8	24.3	17.6
0.0	7.66	13.4	17.3	18.3	15.5	11.2

0.0 2.0 4.0 6.0 8.0 10.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:58 7-Feb-95
PROJECT: 32-100   AREA: TRAINING AREA   GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

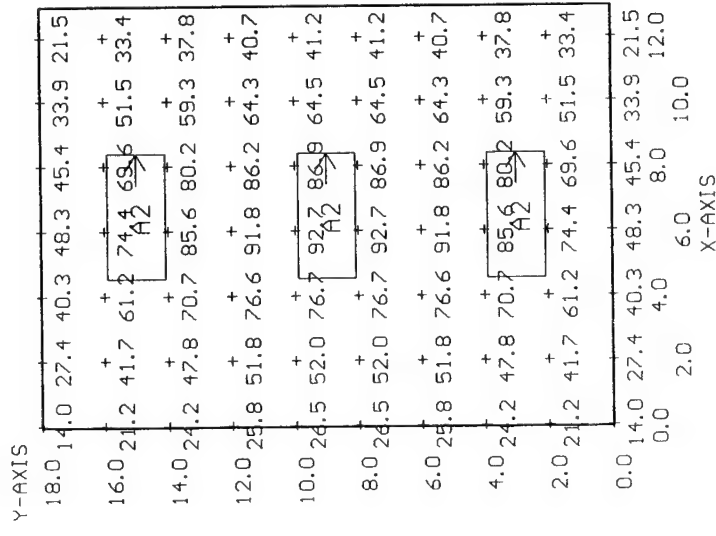+ MIN=10.1   MAX=93.1   AVE=64.5   AVE/MIN= 6.37 MAX/MIN= 9.20

A1 <6> = K7952 COLUMBIA 2SG440-EXA.125NOM, <4> F40CW, LLF= 0.68

Y-AXIS

Y								
28.0	10.1	16.5	17.7	17.9	17.9	17.2	15.5	
26.0	16.6	26.0	28.7	29.0	28.9	29.1	27.8	23.7
24.0	27.8	42.6	47.7	48.3	48.1	48.2	45.9	37.8
22.0	39.1	61.0	68.7	68.1	67.3	69.1	66.1	53.7
20.0	46.3	74.f	88.9	80.6	79.0	82.f	88.3	65.7
18.0	48.9	76.9	85.9	85.2	84.1	86.3	82.9	68.6
16.0	50.4	78.2	86.9	87.5	86.9	87.6	83.8	70.2
14.0	51.1	80.4	89.9	89.2	88.2	90.3	86.7	71.6
12.0	52.0	82.f	88.1	90.8	89.1	92.f	88.3	73.4
10.0	51.5	81.0	90.6	89.8	88.8	91.0	87.3	72.2
8.0	51.1	79.4	88.2	89.0	88.4	89.0	85.1	71.3
6.0	50.2	78.8	88.2	87.6	86.6	88.6	85.0	70.0
4.0	48.2	72.f	84.1	84.2	82.6	86.f	88.6	68.0
2.0	41.6	66.1	73.8	73.1	72.3	74.0	71.2	59.2
0.0	26.4	40.6	45.2	45.7	45.4	45.7	43.6	36.3

0.0   2.0   4.0   6.0   8.0   10.0   12.0   14.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:46 9-Mar-95
PROJECT: 32-100 AREA: TRAINING AREA-N GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

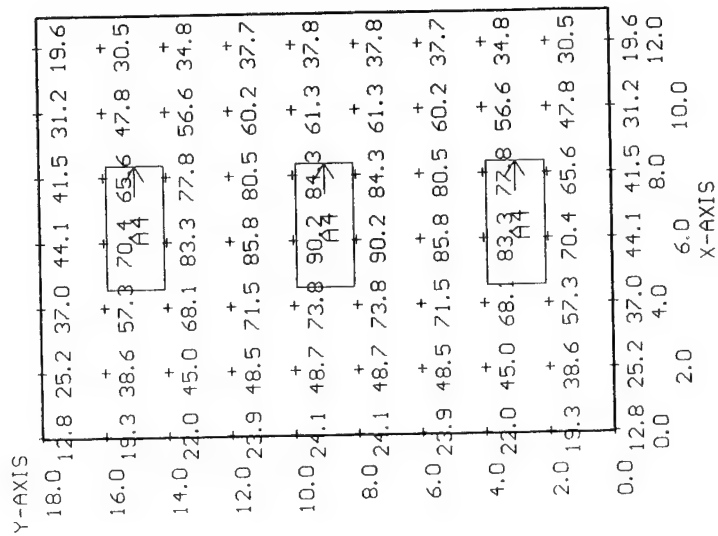+ MIN=4.64   MAX=47.3   AVE=33.2   AVE/MIN=   7.16 MAX/MIN=   10.19

A8 <6> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, <2> F032/31K, LLF= 0.66

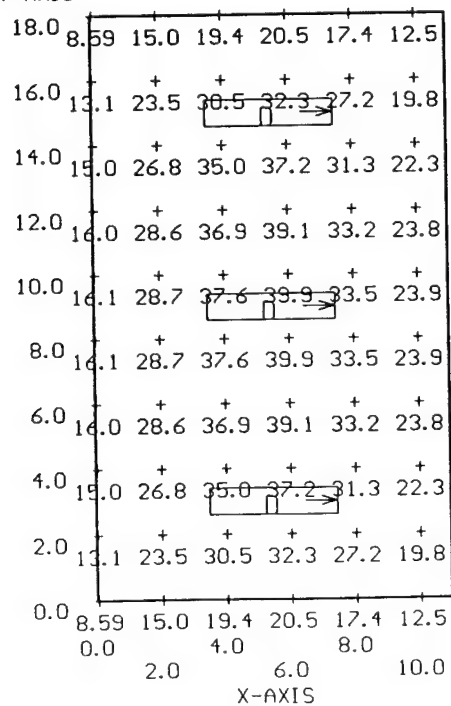CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0
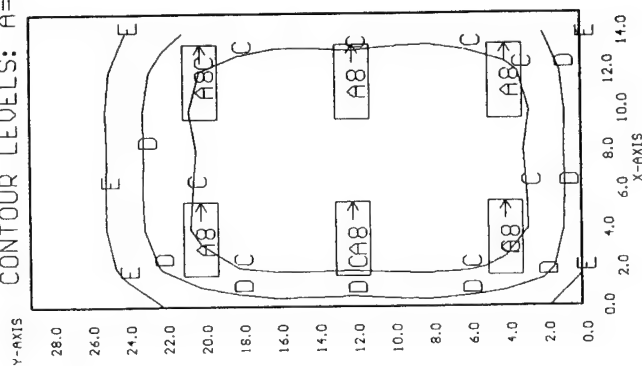
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:50 7-Feb-95
PROJECT: 32-100 AREA: REBUILD SHOP GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.3   MAX=148.   AVE=73.9   AVE/MIN= 4.27 MAX/MIN= 8.54

E1 <8> = K8673 COLUMBIA CSR296-A, (2) F96T12/CW, LLF= 0.67
F1 <12> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68
G1 <11> = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.67

Y-AXIS

```
39.0  30.2 29.2 25.5 23.8 22.7 22.6 23.3 22.5 22.4 23.2 22.2 22.7 21.5 20.9 20.6 17.3
35.0  55.8 54.7 42.6 39.5 42.7 38.0 37.8 42.2 37.7 37.6 42.1 37.5 41.5 36.7 35.9 38.4 28.8
31.0  72.1 68.5 52.9 49.6 55.1 48.1 48.0 54.6 48.0 47.9 54.1 46.9 45.8 49.8 35.9
27.0  53.4 53.6 47.5 45.7 47.3 45.1 45.2 47.4 45.4 45.3 45.1 46.9 44.0 42.3 40.7 30.6
23.0  50.0 55.7 55.6 56.0 57.2 57.5 57.7 58.5 58.2 58.2 58.7 58.2 58.0 56.7 54.4 48.8 35.0
19.0  55.8 71.2 71.9 77.1 83.1 84.2 84.3 86.3 85.1 85.5 86.5 85.5 86.1 83.9 81.0 74.8 53.3
15.0  65.3 65.2 69.5 90.1 111. 109. 107. 117. 111. 111. 108. 117. 109. 103. 106. 79.7
11.0  54.6 64.8 74.0 105. 141. 132. 127. 147. 134. 128. 148. 128. 147. 133. 124. 137. 106.
 7.0  63.6 94.3 96.9 109. 139. 130. 125. 145. 133. 126. 145. 133. 125. 145. 131. 122. 136. 107.
 3.0  61.1 92.5 90.7 91.5 111. 104. 99.6 115. 106. 106. 116. 106. 100. 115. 105. 97.7 109. 87.0

       2.0  10.0  18.0  26.0  34.0  42.0  50.0  58.0  66.0
          6.0  14.0  22.0  30.0  38.0  46.0  54.0  62.0  70.0
                              X-AXIS
```
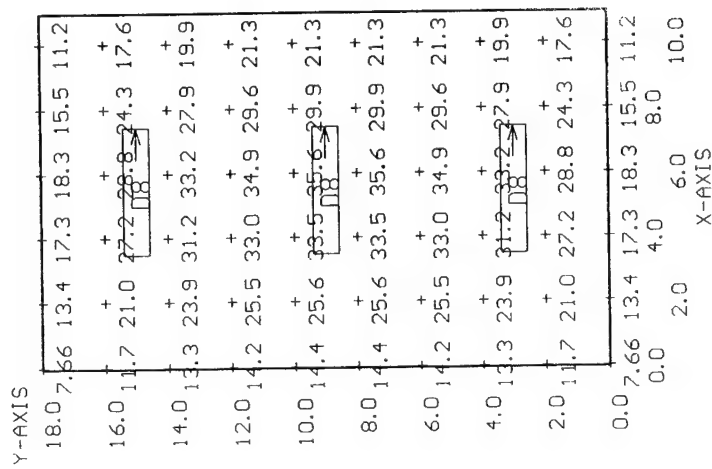
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:02 9-Mar-95
PROJECT: 32-100 AREA: REBUILD SHOP-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=14.3   MAX=70.8   AVE=46.3   AVE/MIN=   3.24 MAX/MIN=   4.95

E8 <19> = K8673 COLUMBIA CSR296-A, (2) F096/735, LLF= 0.66
F8 <12> = K7990 COLUMBIA CSR240,   (2) F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

Y-AXIS

39.0
35.0
31.0
27.0
23.0
19.0
15.0
11.0
7.0
3.0

2.0   10.0   18.0   26.0   34.0   42.0   50.0   58.0   66.0
   6.0   14.0   22.0   30.0   38.0   46.0   54.0   62.0   70.0
                            X-AXIS
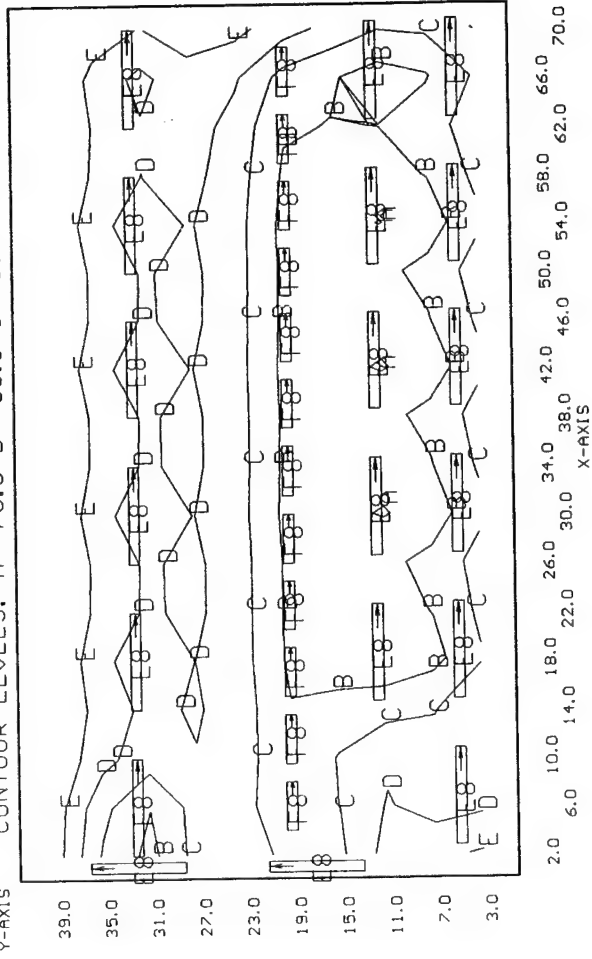
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:54 7-Feb-95
PROJECT: 32-100   AREA: REBUILD SHOP   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=25.0   MAX=189.   AVE=117.   AVE/MIN=   4.68 MAX/MIN=   7.55

G1 <21> = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.67
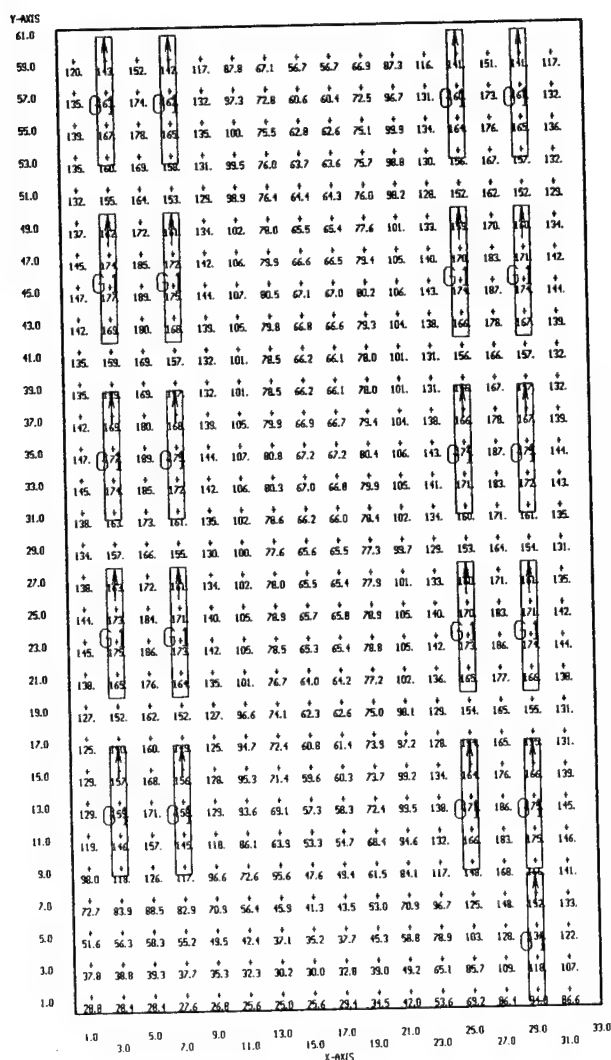
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:06 9-Mar-95
PROJECT: 32-100   AREA: REBUILD SHOP-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.3   MAX=79.4   AVE=51.6   AVE/MIN=   4.21 MAX/MIN=   6.47

E8 <21> = K8673 COLUMBIA CSR296-A, (2) FO96/735, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
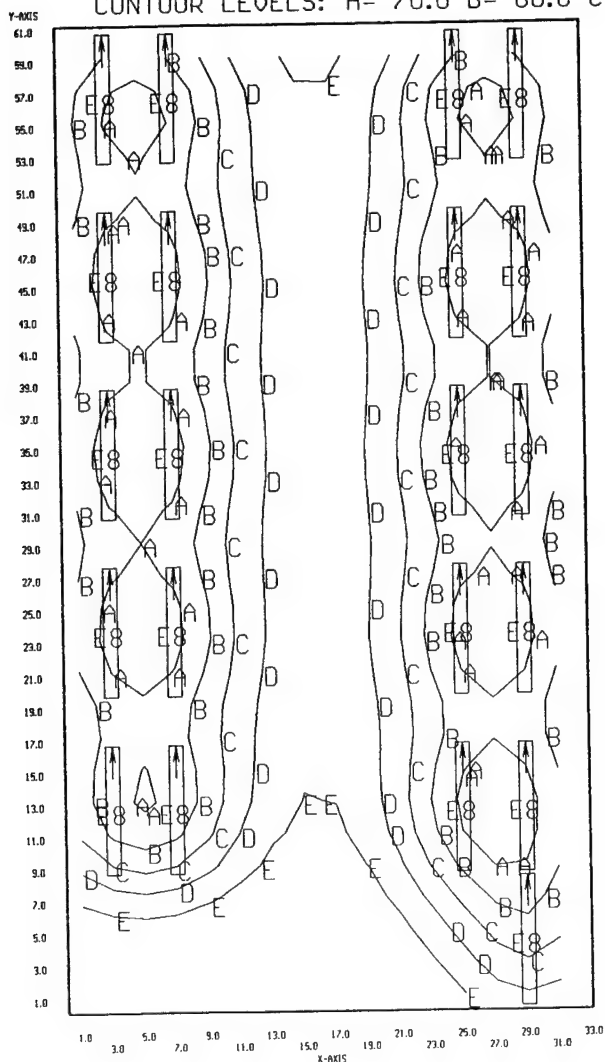
Bldg 32-130 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	164	48	7,872
B2	200	2	400
C1	83	2	166
Totals		52	8,438

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
AR	61	48	2,928
C8	59	1	59
CF	85	2	170
Totals		51	3,157

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-130   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA LIGHTING SURVEY - BLDG 32-130	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 6-Feb-95
Prepared by: R. SHARMA	UPD: 2.8W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	4'4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP440	F40CW ESB	000 - 164	48	48 → AK
B2	13"SURFACE CYLINDER,STD. DIST. LENS- STIPPLED PRESCOLITE HD13C07	200A23/IF STD	000 - 200	2	2 → CF
C1	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW ESB	000 - 83	2	1 → remove 1 → C8

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-130   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA LIGHTING SURVEY - BLDG 32-130
Prepared for: CORP OF ENGINEERS
Prepared by: R. SHARMA

Project #6941331
Date: 9-Mar-95
UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
AR	4' INDUSTRIAL SOLID REFLECTOR SILVER SPREAD BEAM REFLECTOR METALOPTICS ISS04SSWWSO42EP11	FO32/35K EOCT	000 - 61	48	
C8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	1	
CF	9" 3L RECESSED ROUND DOWNLIGHT OPEN - CLR.REFL. W/ BLK.BAFFLE PRESCOLITE CFR926-B782	F26DTT/27K STD *28 W SCREW-IN*	000 - 28 85	2	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-130   Type: Indoor

| Project Area Summary |
Project name: PBA LIGHTING SURVEY - BLDG 32-130	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.9W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
LABORATORY	48x27x10Ft	(21)	Type A1	2.7	1
LABORATORY-N	48x27x10Ft	(21)	Type AR	1.0	1
SUB LAB	38x27x10Ft	(17)	Type A1	2.7	1
'B LAB-N	38x27x10Ft	(17)	Type AR	1.0	1
RESTROOM	10x12x8Ft	(2)	Type B2	3.5	1
RESTROOM-N	10x12x8Ft	(2)	Type CF	1.5	1
STORAGE	14x10x10Ft	(2)	Type C1	1.3	1
STORAGE-N	14x10x10Ft	(1)	Type C8	0.5	1
TESTING	17x27x10Ft	(10)	Type A1	3.6	1
TESTING-N	17x27x10Ft	(10)	Type AR	1.3	1

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-130   Type: Indoor

Project Calculation Summary

Project name: PBA LIGHTING SURVEY - BLDG 32-130	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.9W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
LABORATORY	48x27x10Ft	GRID	<+>	95.1	123.3	56.5
LABORATORY-N	48x27x10Ft	GRID	<+>	52.3	69.0	32.2
SUB LAB	38x27x10Ft	GRID	<+>	67.4	108.8	0.0
SUB LAB-N	38x27x10Ft	GRID	<+>	36.8	62.3	0.0
RESTROOM	10x12x8Ft	GRID	<+>	23.7	48.0	3.3
RESTROOM-N	10x12x8Ft	GRID	<+>	15.4	27.7	2.5
STORAGE	14x10x10Ft	GRID	<+>	36.9	59.3	18.1
STORAGE-N	14x10x10Ft	GRID	<+>	17.6	32.2	6.5
TESTING	17x27x10Ft	Ceiling	<+>	99.1	151.0	40.6
TESTING-N	17x27x10Ft	Ceiling	<+>	53.9	86.1	22.8

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:13 6-Feb-95
PROJECT: 32-130 AREA: LABORATORY   GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=56.5   MAX=123.   AVE=95.1   AVE/MIN=   1.68 MAX/MIN=   2.18

A1 <21> = K7983L COLUMBIA KP440, (4) F40CW, LLF= 0.68

Y-AXIS

25.5 60.8 67.3 69.0 66.7 64.6 65.0 68.6 74.7 81.2 84.2 85.2 86.4 87.1 86.6 86.5 85.5 85.2 84.1 81.1 78.6 77.5 75.6

23.5 69.0 78.1 87.1 79.8 78.3 79.0 82.2 88.8 94.9 96.5 96.5 98.0 88.8 97.9 97.8 91.4 96.5 96.5 91.4 88.5 87.7 88.1

21.5 73.2 84.2 89.9 92.0 94.0 95.5 96.6 98.8 102. 102. 103. 103. 104. 103. 102. 101. 100. 96.0 92.9 91.5 88.1

19.5 74.7 86.4 95.0 102. 108. A1 10. 108. 106. 106. 105. 104. 105. 104. 104. 103. 102. 100. 96.7 93.5 91.3 87.5

17.5 76.8 89.5 99.8 109. 117. 120. 117. 113. 110. 108. 107. 106. 107. 106. 106. 104. 103. 102. 98.3 95.0 92.6 88.7

15.5 79.5 93.3 104. A1 112. 120. 123. 121. 117. 114. 112. 111. 111. 110. 109. 108. 108. 107. 106. 101. 97.6 95.6 92.0

13.5 79.6 94.0 104. 111. 117. 120. 118. 116. 115. 113. 111. A1 112. 111. 110. 109. 108. 107. 102. 98.0 95.9 91.6

11.5 77.0 90.3 99.2 105. 110. 113. 112. 111. 111. 110. 108. 108. 108. 107. 106. 105. 103. 99.1 95.1 92.2 87.2

9.5 74.0 86.0 94.0 99.0 103. 105. 106. 106. 105. 104. 105. 104. 104. 103. 102. 101. 99.2 95.4 91.9 88.7 83.8

7.5 73.2 85.2 92.5 96.9 101. 103. 103. 104. 104. 103. 104. 103. 103. 102. 101. 100. 98.7 94.5 90.7 88.2 83.8

5.5 71.2 81.0 85.7 93.2 96.8 98.9 99.5 101. 100. 99.6 99.1 100. 99.2 97.8 92.4 86.0 91.7 88.2 86.6 88.8

3.5 65.5 75.6 81.3 84.4 87.5 89.4 89.3 89.9 91.2 91.1 90.5 91.3 91.6 90.6 91.0 90.4 90.2 88.9 88.6 87.2 83.5 80.5 79.3 76.2

1.5 56.5 63.7 68.2 70.9 73.2 74.5 75.0 75.6 76.7 76.8 77.0 77.1 76.7 76.6 76.5 76.6 76.0 75.1 74.4 73.3 70.7 68.3 66.7 64.4

X-AXIS
1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0 21.0 23.0 25.0 27.0 29.0 31.0 33.0 35.0 37.0 39.0 41.0 43.0 45.0 47.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:48 9-Mar-95
PROJECT: 32-130 AREA: LABORATORY-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.2   MAX=69.0   AVE=52.3   AVE/MIN= 1.62 MAX/MIN= 2.14

AR <21> = T11272 METALOPTICS ISS04SSWWS042EP11, <2> F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
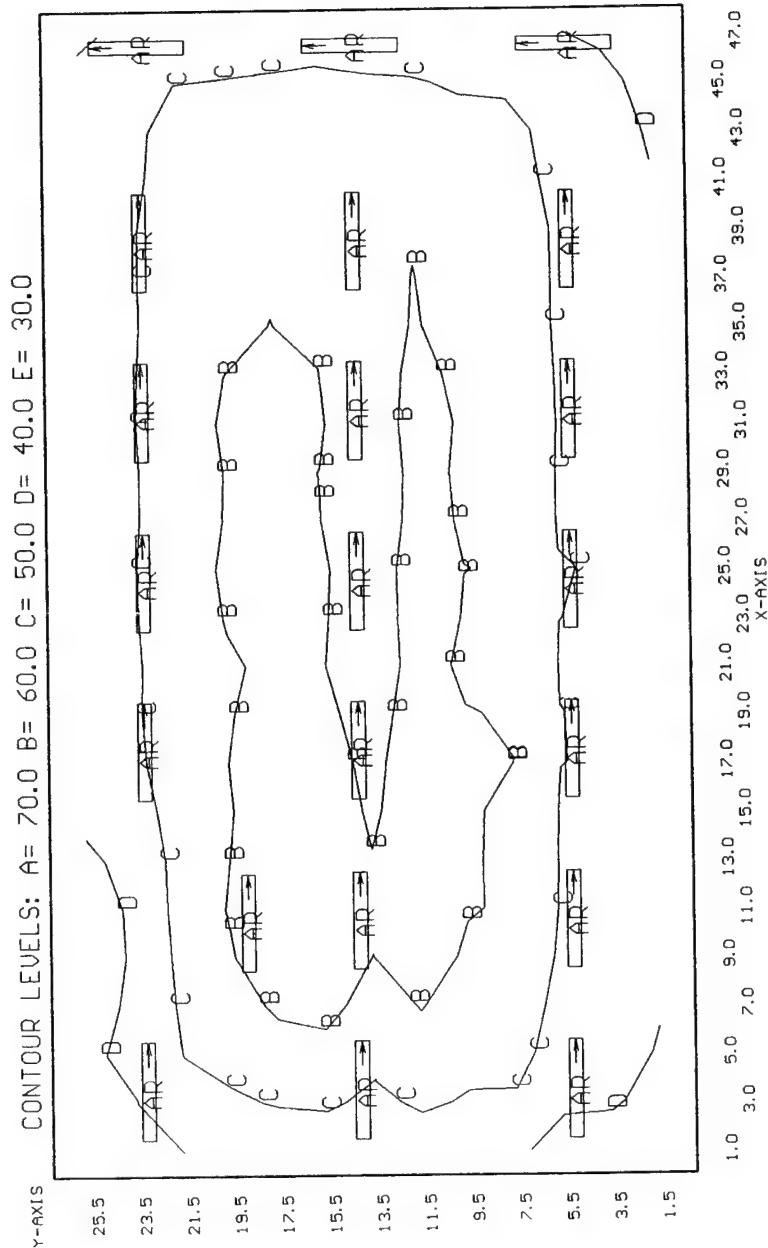
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:37 6-Feb-95
PROJECT: 32-130 AREA: SUB LAB GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00   MAX=109.   AVE=67.4   AVE/MIN=N/A MAX/MIN=N/A

A1 <17> = K7983L COLUMBIA KP440, (4) F40CW, LLF= 0.68

Y-AXIS

Y \ X	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0	37.0
25.5	57.2	64.8	69.3	71.5	73.0	73.3	71.8	68.7	64.2	54.8	0.00	71.0	82.1	87.6	88.8	87.1	79.6	65.3	47.4
23.5	65.		80.	83.4	85.7	86.	83.8	80.	65.	0.00	80.8	95.2	102.	103.		101.	91.5	73.5	51.7
21.5	69.7	80.9	87.0	89.9	92.3	93.1	91.0	87.3	82.8	70.9	0.00	85.0	101.	108.	109.	106.	96.5	77.1	54.0
19.5	70.6	81.7	88.1	91.4	94.0	94.9	93.0	90.1	86.6	72.0	0.00	81.9	96.0	103.	103.	101.	92.0	74.2	52.2
17.5	71.2	82.1	88.8	92.3	94.8	95.6	94.2	92.1	89.1	84.1	0.00	72.1	83.4	88.9	89.6	86.5	75.5	65.8	45.0
15.5	73.7	85.6	92.5	96.0	98.9	99.8	98.1	96.2	94.1	89.4	83.6	74.8	71.7	68.9	65.3	59.4	50.8	38.9	26.5
13.5	75.1	87.7	94.5	97.8	101.	102.	100.	98.2	96.7	91.8	86.3	79.2	76.6	74.2	69.6	61.1	51.8	40.8	26.8
11.5	73.7	85.6	92.5	96.0	98.9	99.8	98.1	96.2	94.1	89.4	83.6	74.9	71.9	68.9	65.8	61.0	51.9	38.7	25.6
9.5	71.2	82.1	88.8	92.3	94.9	95.5	94.2	92.1	89.1	84.1	0.00	30.3	30.3	0.00	27.2	27.4	0.00	1.55	1.21
7.5	70.6	81.7	88.1	91.4	94.0	94.9	93.0	90.1	86.6	71.4	0.00	38.9	28.9	0.00	35.6	35.9	0.00	1.49	1.16
5.5	69.		89.9	92.3	92.	91.0	87.	82.	79.	0.00	45.	45.2	0.00	41.	42.2	0.00	1.45	1.16	
3.5	65.4	75.6	80.8	83.4	85.7	86.4	83.9	80.9	75.0	65.4	0.00	44.6	44.6	0.00	40.8	41.2	0.00	1.34	1.09
1.5	57.2	64.8	69.2	71.5	73.0	73.4	71.9	68.6	64.3	54.8	0.00	37.4	37.3	0.00	32.3	32.7	0.00	1.14	0.91

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:53 9-Mar-95
PROJECT: 32-130 AREA: SUB LAB-N GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00   MAX=62.3   AVE=36.8   AVE/MIN=N/A MAX/MIN=N/A

AR <17> = T11272 METALOPTICS ISSO4SSWWSO42EP11, (2) FO32/35K, LLF= 0.66

Y-AXIS

```
25.5   32.6 37.3 40.0 41.3 42.3 42.6 41.6 39.8 37.1 31.5 0.00 40.1 46.7 49.9 50.5 49.6 45.3 36.9 26.5

23.5   34.8 39.2 43.6 43.8 45.2 43.9 42.3 39.3 34.8 0.00 40.9 48.0 51.2 51.5 50.4 45.9 36.9 25.9
          AR

21.5   36.9 43.0 46.3 47.7 49.1 49.5 48.3 46.3 44.1 37.7 0.00 48.1 57.3 61.7 62.3 60.9 55.2 43.8 30.2

19.5   40.5 47.4 51.3 53.2 54.9 55.5 54.3 52.6 50.6 41.9 0.00 41.4 48.6 51.8 52.1 51.0 46.7 37.8 26.4
                                                              AR

17.5   40.6 47.2 51.0 52.9 54.9 55.4 54.4 53.1 51.5 48.6 0.00 41.0 47.6 50.8 51.1 49.4 45.4 37.4 27.5

15.5   41.3 48.3 52.2 54.2 55.8 56.4 55.4 54.3 53.0 50.2 47.0 42.1 40.5 39.1 37.2 33.8 28.9 22.0 14.8

13.5   36.2 41.9 44.6 47.8 48.2 47.1 46.1 45.1 45.3 42.7 39.9 36.0 34.4 33.4 31.3 29.0 24.5 18.4 12.1
          AR

11.5   41.3 48.3 52.3 54.2 55.8 56.4 55.4 54.3 53.0 50.2 47.0 42.1 40.4 39.0 37.3 34.6 29.3 21.7 14.1

 9.5   40.6 47.2 51.0 52.9 54.9 55.4 54.4 53.1 51.5 48.6 0.00 16.1 16.1 0.00 14.5 14.3 0.00 0.81 0.63

 7.5   40.5 47.4 51.3 53.2 55.0 55.5 54.3 52.6 50.6 41.6 0.00 20.7 20.8 0.00 19.2 18.8 0.00 0.78 0.61
                                                                   AR

 5.5   36.9 43.0 46.3 47.7 49.1 48.3 46.1 43.9 32.7 0.00 24.7 24.3 0.00 22.6 22.2 0.00 0.76 0.60
          AR

 3.5   34.3 39.8 42.5 43.8 45.1 45.3 43.9 42.4 39.3 34.3 0.00 23.9 24.0 0.00 22.1 21.6 0.00 0.70 0.57

 1.5   32.5 37.3 40.0 41.3 42.3 42.6 41.6 39.7 37.1 31.5 0.00 19.9 20.0 0.00 17.4 17.0 0.00 0.59 0.48

       1.0   5.0   9.0   13.0   17.0   21.0   25.0   29.0   33.0   37.0
          3.0   7.0   11.0   15.0   19.0   23.0   27.0   31.0   35.0
                                    X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:55 6-Feb-95
PROJECT: 32-130 AREA: RESTROOM GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.27   MAX=48.0   AVE=23.7   AVE/MIN= 7.23 MAX/MIN= 14.65

B2 <2> = B1708B PRESCOLITE HD13C07, <1> 200A23/IF, LLF= 0.60

Y-AXIS

Y					
11.0	3.59	10.7	28.2	35.1	20.0
9.0	4.46	15.6	42.3	47.4	30.0
7.0	4.53	13.9	37.1	46.2	25.5
5.0	4.55	14.5	39.4	48.0	26.9
3.0	4.29	14.9	40.7	46.1	28.5
1.0	3.27	8.71	21.9	27.5	15.9

B2

1.0   3.0   5.0   7.0   9.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:58 9-Mar-95
PROJECT: 32-130 AREA: RESTROOM-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.48   MAX=27.7   AVE=15.4   AVE/MIN=   6.24 MAX/MIN= 11.21

CF <2> = B2339B PRESCOLITE CFR926-B782, <3> F26DTT/27K, LLF= 0.50

Y-AXIS

11.0	+ 2.57	+ 9.31	+ 16.1	+ 19.2	+ 14.3
9.0	+ 3.99	+ 12.3	+ 22.9	(CF)+ 27.0	+ 19.8
7.0	+ 3.39	+ 13.5	+ 23.6	+ 27.7	+ 20.3
5.0	+ 3.46	+ 13.4	+ 23.7	+ 27.7	+ 20.4
3.0	+ 3.91	+ 12.1	+ 22.2	(CF)+ 25.7	+ 18.9
1.0	+ 2.48	+ 8.50	+ 14.8	+ 17.3	+ 12.9

      1.0   3.0   5.0   7.0   9.0

              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:00 6-Feb-95
PROJECT: 32-130 AREA: STORAGE GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.1   MAX=59.3   AVE=36.9   AVE/MIN= 2.03 MAX/MIN= 3.27

C1 <2> = K9604 COLUMBIA WCW240-A, <2> F40CW, LLF= 0.68

Y-AXIS

Y\X						
9.0	+18.5	+24.9	+32.2	+35.8	+33.5	+27.5
7.0	+23.7	+35.1	+51.3	+48.4	+38.9	
5.0	+26.0	+40.2	+59.3	+55.9	+44.8	
3.0	+23.5	+34.9	+45.8	+50.9	+48.1	+38.6
1.0	+18.1	+24.6	+31.2	+34.9	+32.7	+26.9

C† 53.5   C1 55.9

```
       1.0    5.0    9.0    13.0
          3.0    7.0    11.0
                X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:02 9-Mar-95
PROJECT: 32-130 AREA: STORAGE-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.49   MAX=32.2   AVE=17.6   AVE/MIN= 2.71 MAX/MIN= 4.96

C8 <1> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

```
9.0    +      +      +      +      +
      12.6   16.6   18.1   16.6   11.6   6.49

7.0    +      +      +      +      +
      16.8   24.2   27.3   23.8   15.8   8.52

5.0    +      +      CB     +      +
      18.6   28.0   32.2   27.6   17.7   9.53

3.0    +      +      +      +      +
      16.5   24.0   27.0   23.6   15.7   8.51

1.0    +      +      +      +      +
      12.2   16.2   17.7   16.1   11.4   6.53

      1.0    5.0    7.0    9.0   11.0   13.0
            3.0         X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:10 6-Feb-95
PROJECT: 32-130 AREA: TESTING GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=40.6   MAX=151.   AVE=99.1   AVE/MIN=   2.44 MAX/MIN=   3.72

A1 ⟨10⟩ = K7983L COLUMBIA KP440, (4) F40CW, LLF= 0.68


```
Y-AXIS

       +    +    +    +    +    +    +    +
25.5  42.8 50.7 54.6 54.8 54.9 54.7 51.1 43.3

       +  ┌─────────┐ +    + ┌─────────┐ +
23.5  46.2│55.8 60.1│60.1 60.1│60.8 56.2│46.9
          └─────────┘        └─────────┘
       +    +    +    +    +    +    +    +
21.5  45.0 53.9 58.0 58.0 58.0 58.2 54.3 45.7

       +    +    +    +    +    +    +    +
19.5  40.6 46.5 49.6 50.1 50.1 49.8 46.9 41.1

       +    +    +    +    +    +    +    +
17.5  79.7 93.4 100. 101. 101. 100. 93.4 79.7

       + ┌─+A1 ↔→┐ +    + ┌─+A1 ↔→┐ +
15.5  95.2│112. 120.│121. 121.│120. 112.│95.2
          └───────┘        └───────┘
       +    +    +    +    +    +    +    +
13.5  107. 127. 137. 137. 137. 137. 127. 107.

       + ┌─+A1 ↔→┐ +    + ┌─+A1 ↔→┐ +
11.5  113.│135. 146.│147. 147.│146. 135.│113.
          └───────┘        └───────┘
       +    +    +    +    +    +    +    +
9.5   116. 138. 150. 151. 151. 150. 138. 116.

       + ┌─+A1 ↔→┐ +    + ┌─+A1 ↔→┐ +
7.5   114.│136. 147.│148. 148.│147. 136.│114.
          └───────┘        └───────┘
       +    +    +    +    +    +    +    +
5.5   108. 128. 138. 139. 139. 138. 128. 108.

       + ┌─+A1 ↔→┐ +    + ┌─+A1 ↔→┐ +
3.5   97.0│114. 123.│123. 123.│123. 114.│97.0
          └───────┘        └───────┘
       +    +    +    +    +    +    +    +
1.5   83.7 96.2 103. 104. 104. 103. 96.2 83.7


      1.5      5.5      9.5     13.5
          3.5      7.5     11.5     15.5
                 X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:04 9-Mar-95
PROJECT: 32-130 AREA: TESTING-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.8   MAX=86.1   AVE=53.9   AVE/MIN=   2.36 MAX/MIN=   3.77

AR <10> = T11272 METALOPTICS ISS04SSWWS042EP11, (2) F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

Bldg 32-150 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	83	24	1,992
Totals		24	1,992

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
AR	59	4	236
A8	59	20	1,180
Totals		24	1,416

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL   32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-150   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 32-150	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 6-Feb-95
Prepared by: R. SHARMA	UPD: 1.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW ESB	000 - 83	24	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-150   Type: Indoor

Luminaire Fixture Schedule / *PROPOSED*

Project name: PBA Lighting Survey - Bldg 32-150	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.1W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	20	
AR	4' ACRYLIC LENS WRAPAPOUND SILVER NORMAL BEAM REFLECTOR METALOPTICS WRSN4SNACLO42EP11	FO32/35K EOCT	000 - 59	4	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL   32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 32-150   Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 32-150	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.4W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
OFFICE #1	10x19x8Ft	(4)	Type A1	1.8	1
OFFICE #1-N	10x19x8Ft	(4)	Type A8	1.3	1
OFFICE #2	14x19x8Ft	(4)	Type A1	1.3	1
'FICE #2-N	14x19x8Ft	(4)	Type A8	0.9	1
OFFICE #3	14x13x8Ft	(4)	Type A1	1.9	1
OFFICE #3-N	14x13x8Ft	(4)	Type A8	1.3	1
OFFICE #4	16x13x8Ft	(4)	Type A1	1.7	1
OFFICE #4-N	16x13x8Ft	(4)	Type A8	1.2	1
OFFICE #5	15x19x8Ft	(4)	Type A1	1.2	1
OFFICE #5-N	15x19x8Ft	(4)	Type AR	0.8	1
RESTROOM #1	6x6x8Ft	(1)	Type A1	2.5	1
RESTROOM #1-N	6x6x8Ft	(1)	Type A8	1.8	1
RESTROOM #2	8x6x8Ft	(1)	Type A1	2.0	1
RESTROOM #2-N	8x6x8Ft	(1)	Type A8	1.4	1
RESTROOM #3	8x6x8Ft	(1)	Type A1	2.0	2
RESTROOM #3-N	8x6x8Ft	(1)	Type A8	1.4	2

32-150 Calculations

Project Calculation Summary	
Project name: PBA Lighting Survey - Bldg 32-150	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 1.4W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
OFFICE #1	10x19x8Ft	GRID	<+>	43.1	77.1	11.7
OFFICE #1-N	10x19x8Ft	GRID	<+>	38.4	68.8	10.4
OFFICE #2	14x19x8Ft	GRID	<+>	33.2	48.4	10.1
OFFICE #2-N	14x19x8Ft	GRID	<+>	29.6	43.2	9.0
OFFICE #3	14x13x8Ft	GRID	<+>	42.8	55.3	19.4
OFFICE #3-N	14x13x8Ft	GRID	<+>	38.2	49.3	17.3
OFFICE #4	16x13x8Ft	GRID	<+>	40.3	58.9	13.7
OFFICE #4-N	16x13x8Ft	GRID	<+>	36.0	52.6	12.2
OFFICE #5	15x19x8Ft	GRID	<+>	30.3	44.0	11.7
OFFICE #5-N	15x19x8Ft	GRID	<+>	29.6	47.1	11.0
RESTROOM #1	6x6x8Ft	GRID	<+>	30.5	42.7	17.9
RESTROOM #1-N	6x6x8Ft	GRID	<+>	27.2	38.1	16.0
RESTROOM #2	8x6x8Ft	GRID	<+>	30.2	42.4	15.2
RESTROOM #2-N	8x6x8Ft	GRID	<+>	26.9	37.8	13.6
RESTROOM #3	8x6x8Ft	GRID	<+>	30.2	42.4	15.2
RESTROOM #3-N	8x6x8Ft	GRID	<+>	26.9	37.8	13.6

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:25 6-Feb-95
PROJECT: 32-150   AREA: OFFICE #1   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.7   MAX=77.1   AVE=43.1   AVE/MIN=   3.68 MAX/MIN=   6.59

A1 <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
              +      +      +      +
18.0    14.5  27.3   34.9   37.6   32.5   18.4

              +      +      +      +
16.0    18.7  36.2  |50.0   54.1→ 44.3| 24.6
                         A1

              +      +      +      +
14.0    22.5  43.8   61.4   66.4   54.0   30.0

              +      +      +      +
12.0    24.9  49.0  |68.8   74.5→ 60.5| 33.4
                         A1

              +      +      +      +
10.0    25.7  50.6   71.1   77.1   62.5   34.6

              +      +      +      +
 8.0    25.8  50.7  |71.2   77.1→ 62.6| 34.7
                         A1

              +      +      +      +
 6.0    25.0  49.1   69.0   74.8   60.7   33.6

              +      +      +      +
 4.0    22.7  44.3  |61.8   66.9→ 54.5| 30.2
                         A1

              +      +      +      +
 2.0    19.0  36.8   50.7   54.9   45.2   25.0


 0.0    11.7  21.7   29.2   31.3   26.1   15.2
        0.0          4.0          8.0
            2.0          6.0          10.0
                    X-AXIS
```
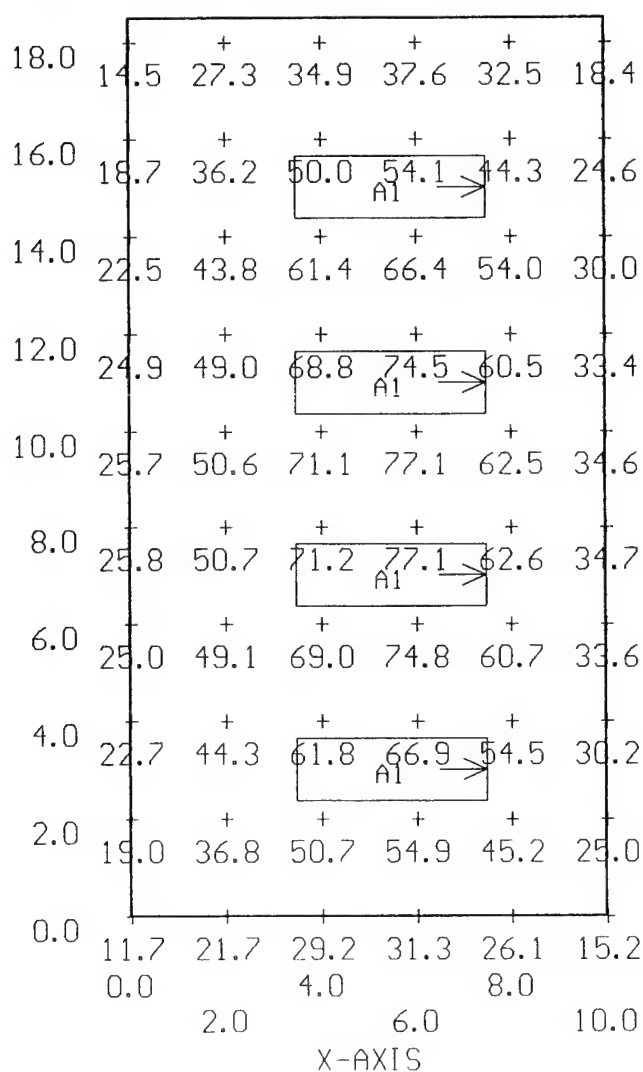
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:26 9-Mar-95
PROJECT: 32-150   AREA: OFFICE #1-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.4   MAX=68.8   AVE=38.4   AVE/MIN=   3.68 MAX/MIN=   6.59

A8 <4> = K9604 COLUMBIA WCW240-A, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:30 6-Feb-95
PROJECT: 32-150   AREA: OFFICE #2   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.1   MAX=48.4   AVE=33.2   AVE/MIN=   3.30 MAX/MIN=   4.81

A1 <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
      18.0  +     +     +     +     +     +     +     +
            15.4  25.1  27.5  29.0  29.0  27.5  25.1  15.4

      16.0  +     +     ↑     +     +     ↑     +     +
            21.5  35.5  39.9  41.3  41.3  39.9  35.5  21.5

      14.0  +     +   A1+     +     +    +A1   +     +
            25.0  41.7  47.4  48.4  48.4  47.4  41.7  25.0

      12.0  +     +     +     +     +     +     +     +
            24.2  39.5  44.4  46.2  46.2  44.4  39.5  24.2

      10.0  +     +     +     +     +     +     +     +
            22.4  35.5  39.3  41.9  41.9  39.3  35.5  22.4

       8.0  +     +     +     +     +     +     +     +
            23.1  37.0  41.2  43.6  43.6  41.2  37.0  23.1

       6.0  +     +     ↑     +     +    +↑     +     +
            24.9  41.3  46.8  48.1  48.1  46.8  41.3  24.9
                       A1                  A1
       4.0  +     +     +     +     +     +     +     +
            23.6  39.3  44.6  45.7  45.7  44.6  39.3  23.6

       2.0  +     +     +     +     +     +     +     +
            18.3  29.7  33.1  34.7  34.7  33.1  29.7  18.3

       0.0  10.1  15.7  17.4  18.6  18.6  17.4  15.7  10.1
            0.0         4.0         8.0         12.0
                  2.0         6.0         10.0        14.0
                           X-AXIS
```
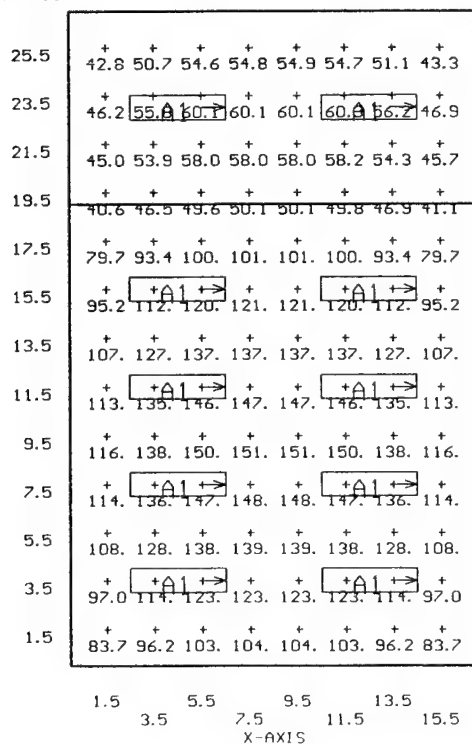
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:30 9-Mar-95
PROJECT: 32-150   AREA: OFFICE #2-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.98   MAX=43.2   AVE=29.6   AVE/MIN=   3.30 MAX/MIN=   4.81

A8 <4> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

```
        +      +      +      +      +      +
18.0  13.8   22.4   24.5   25.9   25.9   24.5   22.4   13.8

        +     ┌──┐   +      +     ┌──┐   +
16.0  19.2   31.7 │↑35.6│ 36.9   36.9 │↑35.6│ 31.7   19.2
                  │      │            │      │
               A8+│      │   +      + │+A8   │   +
14.0  22.3   37.2 │ 42.3│ 43.2   43.2│ 42.3 │ 37.2   22.3
                  └──────┘            └──────┘
        +      +      +      +      +      +
12.0  21.6   35.2   39.6   41.2   41.2   39.6   35.2   21.6

        +      +      +      +      +      +
10.0  19.9   31.7   35.1   37.4   37.4   35.1   31.7   19.9

        +     ┌──┐   +      +     ┌──┐   +
8.0   20.6   33.0 │36.8│ 38.9   38.9│36.8│ 33.0   20.6
                  │↑    │            │↑   │
        +      + │ +   +      +   │+    │ +
6.0   22.2   36.9 │41.7│ 42.9   42.9│41.7│ 36.9   22.2
                  │A8   │            │A8  │
        +      + │ +   +      +   │+    │ +
4.0   21.1   35.0 │39.8│ 40.8   40.8│39.8│ 35.0   21.1
                  └──────┘            └──────┘
        +      +      +      +      +      +
2.0   16.3   26.5   29.5   31.0   31.0   29.5   26.5   16.3

0.0  8.98   14.0   15.5   16.5   16.5   15.5   14.0   8.98
      0.0          4.0           8.0          12.0
            2.0          6.0          10.0          14.0
                       X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:33 6-Feb-95
PROJECT: 32-150 AREA: OFFICE #3 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.4   MAX=55.3   AVE=42.8   AVE/MIN=   2.21 MAX/MIN=   2.85

A1 <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
     12.0  27.3   44.3   45.9   43.3   43.3   45.9   44.3   27.3

     10.0  31.0   50.3   52.8   48.8   48.8   52.8   50.3   31.0
                      A1                         A1

      8.0  33.2   52.2   55.3   52.1   52.1   55.3   52.2   33.2

      6.0  33.3   51.0   54.4   52.4   52.4   54.4   51.0   33.3

      4.0  32.1   51.2   54.2   50.4   50.4   54.2   51.2   32.1
                      A1                         A1

      2.0  29.2   47.3   49.6   46.2   46.2   49.6   47.3   29.2

      0.0  19.4   29.8   31.7   30.4   30.4   31.7   29.8   19.4
            0.0          4.0           8.0          12.0
                 2.0          6.0          10.0          14.0
```

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:31 9-Mar-95
PROJECT: 32-150 AREA: OFFICE #3-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.3   MAX=49.3   AVE=38.2   AVE/MIN= 2.21 MAX/MIN= 2.85

A8 <4> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

```
       +      +      +      +      +      +
12.0 24.3  39.5  40.9  38.6  38.6  40.9  39.5  24.3
         ┌─────────────────┐    ┌─────────────────┐
         │+ A8    +→ │      +      + │+ A8    +→│
10.0 27.7│44.9   47.1│ 43.5  43.5  │47.1   44.9│27.7
         └─────────────────┘    └─────────────────┘
       +      +      +      +      +      +
 8.0 29.6  46.6  49.3  46.5  46.5  49.3  46.6  29.6

       +      +      +      +      +      +
 6.0 29.7  45.5  48.5  46.8  46.8  48.5  45.5  29.7

       +      +      +      +      +      +
 4.0 28.6┌45.7   48.3┐45.0  45.0 ┌48.3   45.7┐28.6
         │    A8     →│            │   A8    →│
         └───────────┘            └───────────┘
       +      +      +      +      +      +
 2.0 26.1  42.2  44.2  41.2  41.2  44.2  42.2  26.1


 0.0 17.3  26.6  28.2  27.1  27.1  28.2  26.6  17.3
     0.0          4.0          8.0         12.0
           2.0          6.0         10.0         14.0
                      X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:34 6-Feb-95
PROJECT: 32-150   AREA: OFFICE #4   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.7   MAX=58.9   AVE=40.3   AVE/MIN=   2.95 MAX/MIN=   4.31

A1 <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
12.0   18.0  32.8  40.4  43.3  43.2  43.3  40.4  32.8  18.0
              +     +     +     +     +     +     +

10.0   21.1  39.0  50.2  53.0  51.7  53.0  50.2  39.0  21.1
              +     +     +     +     +     +     +

 8.0   23.4  43.0  55.2  58.5  57.5  58.5  55.2  43.0  23.4
              +     +     +     +     +     +     +

 6.0   24.2  43.4  54.9  58.9  58.9  58.9  54.9  43.4  24.2
              +     +     +     +     +     +     +

 4.0   22.8  42.2  54.6  57.6  56.2  57.6  54.6  42.2  22.8
              +     +     +     +     +     +     +
                      A1                  A1

 2.0   20.5  37.8  48.4  51.1  50.0  51.1  48.4  37.8  20.5
              +     +     +     +     +     +     +

 0.0   13.7  24.1  30.6  32.8  32.8  32.8  30.6  24.1  13.7
        0.0         4.0         8.0        12.0        16.0
            2.0         6.0        10.0        14.0
                         X-AXIS
```
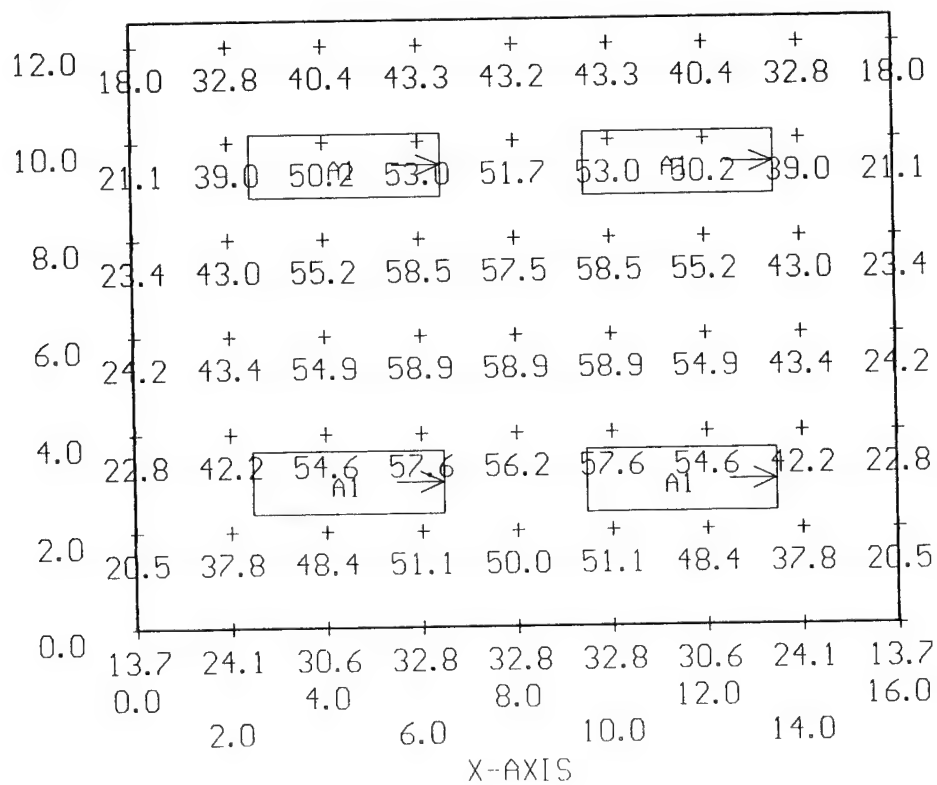
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:34 9-Mar-95
PROJECT: 32-150 AREA: OFFICE #4-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.2   MAX=52.6   AVE=36.0   AVE/MIN=   2.95 MAX/MIN=   4.31

A8 <4> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS
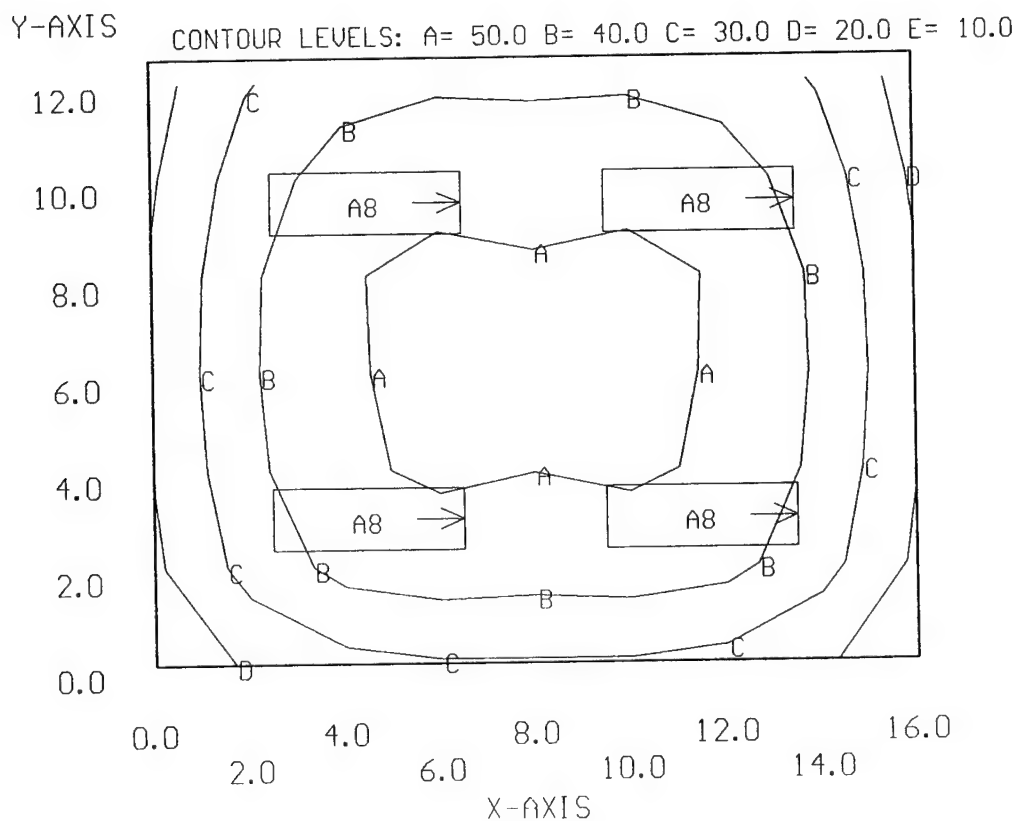
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:35 6-Feb-95
PROJECT: 32-150   AREA: OFFICE #5   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.7   MAX=44.0   AVE=30.3   AVE/MIN=   2.59 MAX/MIN=   3.76

A1 <4> = K9604 COLUMBIA WCW240-A, <2) F40CW, LLF= 0.68

Y-AXIS

```
        +      +      +      +      +      +      +
18.0  21.4  36.1  39.9  37.6  36.4  39.1  38.9  32.0
        +----A1-+-->-+      +    +--A1-+-->--+
16.0  23.0  39.4  44.0  40.9  39.3  43.0  42.9  34.3

        +      +      +      +      +      +      +
14.0  20.9  34.6  38.8  36.9  35.8  38.2  37.6  30.2

        +      +      +      +      +      +      +
12.0  15.8  25.1  27.8  27.6  27.3  27.9  26.9  22.4

        +      +      +      +      +      +      +
10.0  11.7  18.8  20.7  20.5  20.3  20.8  20.0  17.0

        +      +      +      +      +      +      +
 8.0  13.4  21.4  23.7  23.4  23.1  23.7  22.9  19.3

        +      +      +      +      +      +      +
 6.0  18.5  29.7  33.1  32.3  31.7  33.0  32.1  26.1

        +      +      +      +      +      +      +
 4.0  22.6  38.1  42.7  40.0  38.6  41.8  41.5  33.4
           +--A1--+-->-+    +---A1-+-->--+
        +      +      +      +      +      +      +
 2.0  22.8  38.9  43.3  40.4  38.9  42.3  42.2  34.1

        +      +      +      +      +      +      +
 0.0  15.7  25.3  28.4  27.4  26.8  28.1  27.5  22.3
      0.0         4.0         8.0        12.0
           2.0         6.0        10.0        14.0
                        X-AXIS
```
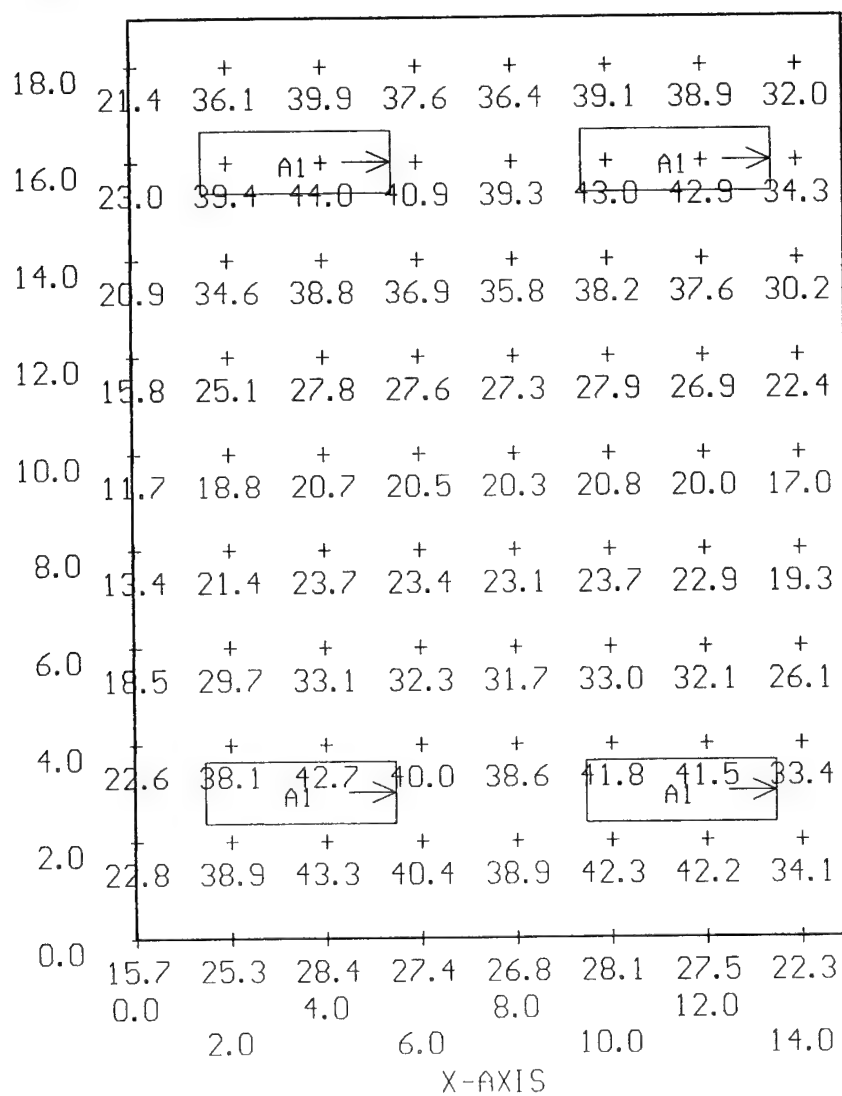
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:40 9-Mar-95
PROJECT: 32-150   AREA: OFFICE #5-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0   MAX=47.1   AVE=29.6   AVE/MIN= 2.70 MAX/MIN=   4.29

AR <4> = T10394 METALOPTICS WRSN4SNACLO42EP11, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0
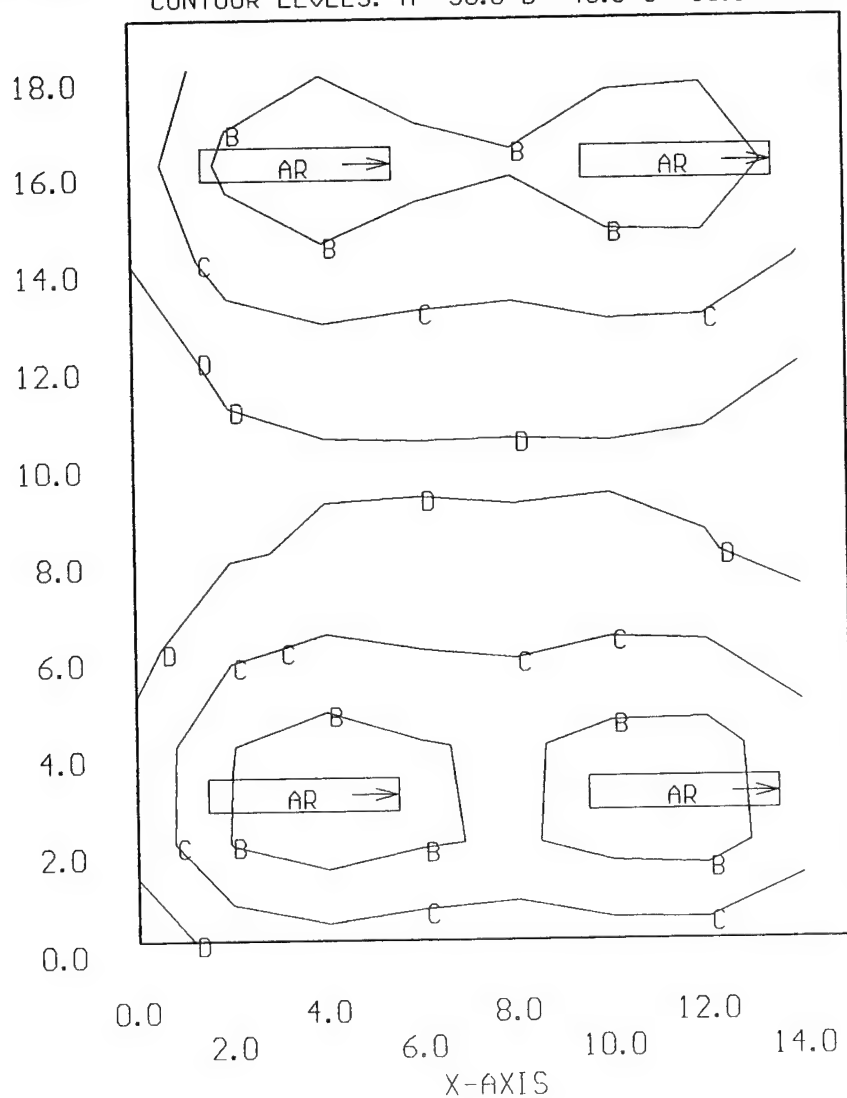
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:36 6-Feb-95
PROJECT: 32-150 AREA: RESTROOM #1 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.9   MAX=42.7   AVE=30.5   AVE/MIN= 1.70 MAX/MIN= 2.39

A1 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

```
4.0   26.5   42.7   42.7   26.5
                    A1
2.0   26.5   42.5   42.5   26.5

0.0   17.9   26.8   26.8   17.9
      0.0    2.0    4.0    6.0
                 X-AXIS
```
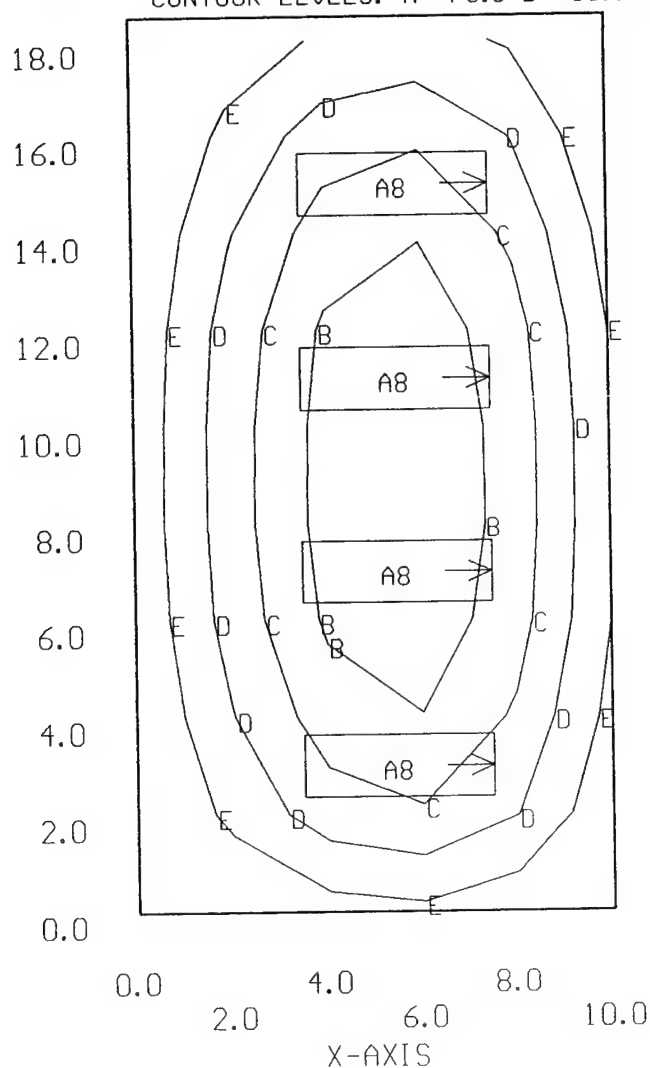
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:42 9-Mar-95
PROJECT: 32-150 AREA: RESTROOM #1-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, $Z=2.5$
Computed in accordance with IES recommendations

+ MIN=16.0   MAX=38.1   AVE=27.2   AVE/MIN= 1.70 MAX/MIN= 2.39

A8 <1> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

```
4.0   23.6   +     38.1  38.1   +     23.6
                         A8

2.0   23.6   +   37.9   37.9   +   23.6

0.0   16.0   23.9   23.9   16.0
      0.0    2.0    4.0    6.0
                 X-AXIS
```
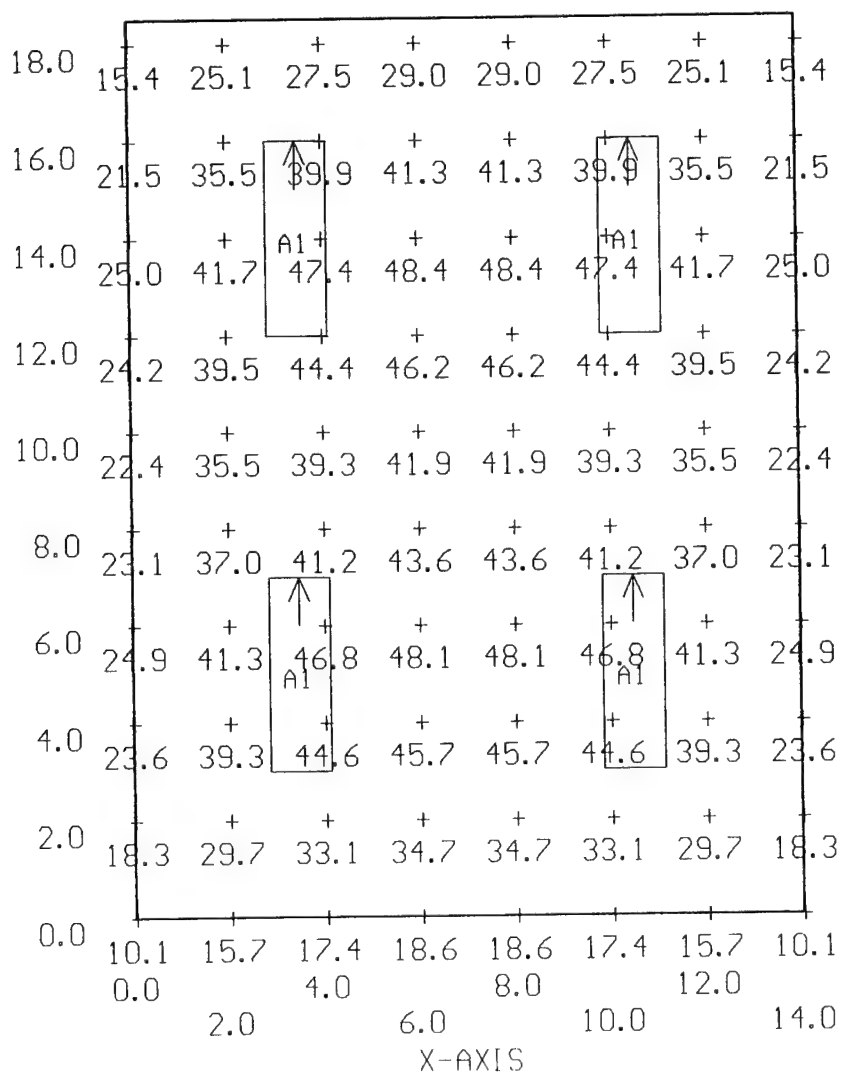
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:37 6-Feb-95
PROJECT: 32-150 AREA: RESTROOM #2 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.2   MAX=42.4   AUE=30.2   AUE/MIN=   1.98 MAX/MIN=   2.78

A1 <1> = K9604 COLUMBIA WCW240-A, <2> F40CW, LLF= 0.68

Y-AXIS

```
    +      +      +      +
4.0 21.1  36.9  41.2  34.5
                  A1
    +      +      +      +
2.0 21.6  37.9  42.4  35.4
    +      +      +      +
0.0 15.2  25.1  27.8  23.5
    0.0    2.0    4.0    6.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:46 9-Mar-95
PROJECT: 32-150 AREA: RESTROOM #2-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.6   MAX=37.8   AVE=26.9   AVE/MIN= 1.98 MAX/MIN= 2.78

A8 <1> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

4.0   18.8   32.9 36.8 30.8
                    +   +   +

2.0   19.3   33.8 37.8 31.6
                    +   +   +

0.0   13.6   22.4 24.8 21.0
      0.0   2.0   4.0   6.0

                    X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:38 6-Feb-95
PROJECT: 32-150 AREA: RESTROOM #3 GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.2   MAX=42.4   AVE=30.2   AVE/MIN=   1.98 MAX/MIN=   2.78

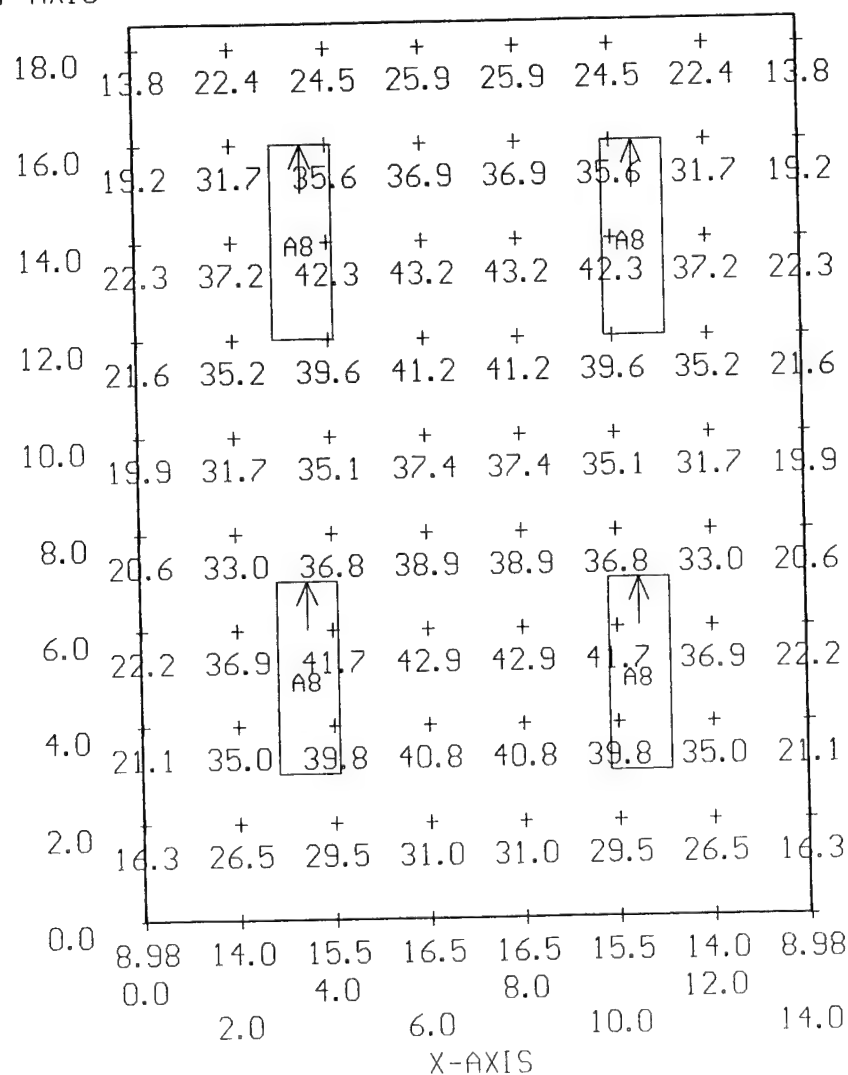A1 <2> = K9604 COLUMBIA WCW240-A, <2> F40CW, LLF= 0.68

Y-AXIS

```
4.0  21.1   36.9  41.2  34.5
            +     +     +
                  A1
2.0  21.6   37.9  42.4  35.4
            +     +     +
0.0  15.2   25.1  27.8  23.5
     0.0    2.0   4.0   6.0
                X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:50 9-Mar-95
PROJECT: 32-150 AREA: RESTROOM #3-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.6   MAX=37.8   AVE=26.9   AVE/MIN=   1.98 MAX/MIN=   2.78

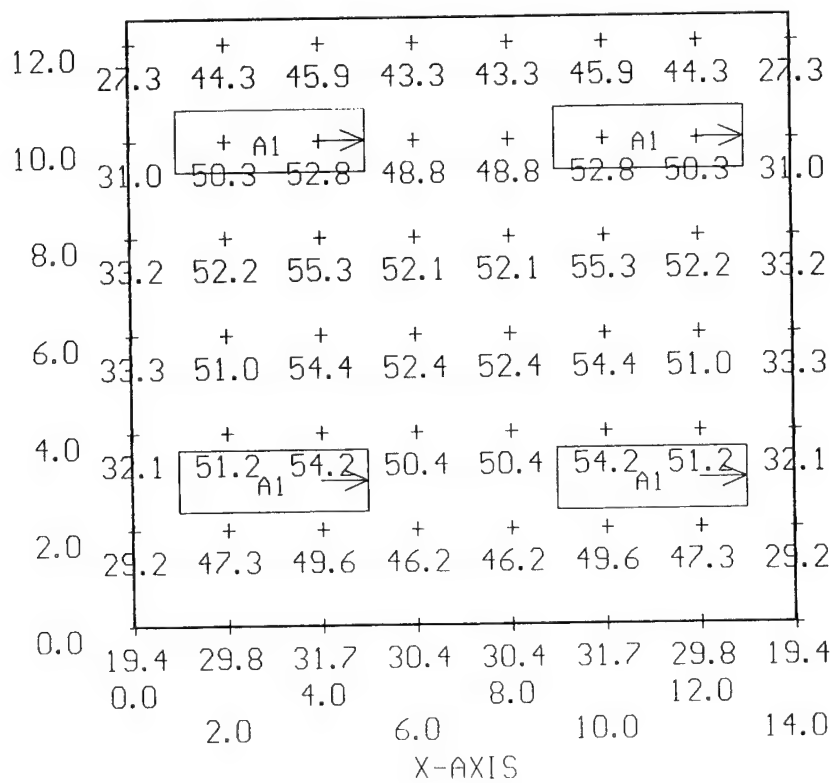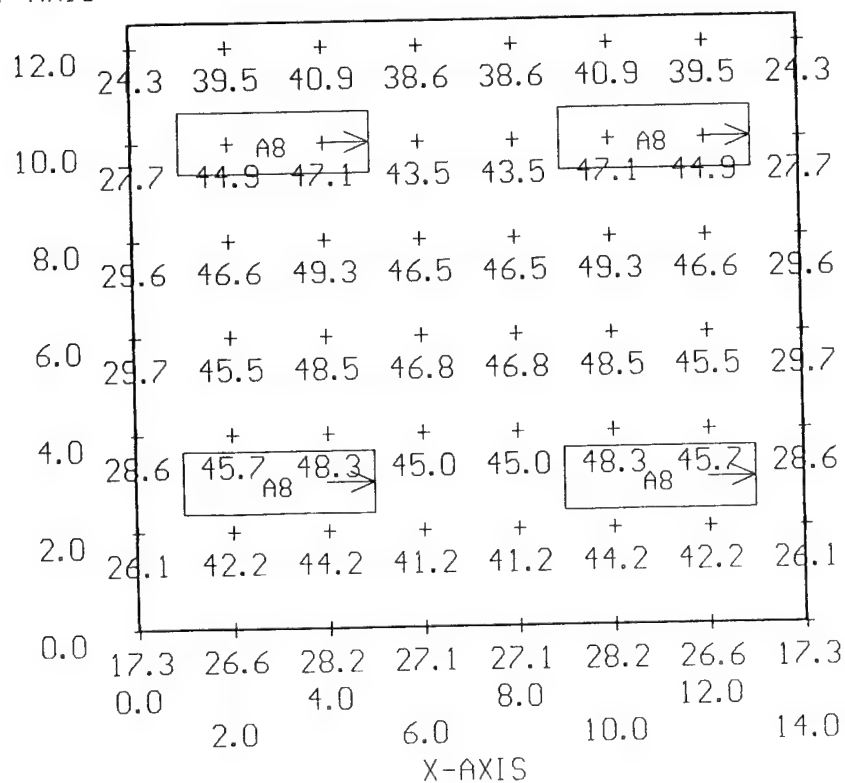A8 <2> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

4.0	18.8	32.9	36.8	30.8
2.0	19.3	33.8	37.8	31.6
0.0	13.6	22.4	24.8	21.0
	0.0	2.0	4.0	6.0

A8

X-AXIS

Bldg 33-060 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	158	6	948
B1	136	3	408
D	100	1	100
Totals		10	1,456

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	105	6	630
B8	91	3	273
D	100	1	100
Totals		10	1,003

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-060   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 33-060
Prepared for: CORP OF ENGINEERS
Prepared by: R. SHARMA

Project #6941331
Date: 7-Feb-95
UPD: 0.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	F96T12/CW ESB	000 - 158	6	
B1	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	F40CW ESB	000 - 136	3	
D	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	1	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-060   Type: Indoor

Luminaire Fixture Schedule / PROPOSED

Project name: PBA Lighting Survey - Bldg 33-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.2W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	FO96/735 EOCT	000 - 105	6	
B8	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	FO32/35K EOCT	000 - 91	3	
D	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	1	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-060   Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 33-060			Project #6941331
Prepared for: CORP OF ENGINEERS			Date: 9-Mar-95
Prepared by: R. SHARMA			UPD: 0.3W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
COMPRESSOR ROOM	33x48x25Ft	(6)	Type A1	0.6	1
COMPRESSOR RM-N	33x48x25Ft	(6)	Type A8	0.4	1
BOILER ROOM	54x60x25Ft	(3) (1)	Type B1 Type D	0.2	1
BOILER ROOM-N	54x60x25Ft	(3) (1)	Type B8 Type D	0.1	1

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-060   Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 33-060	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.3W/Sq.Ft

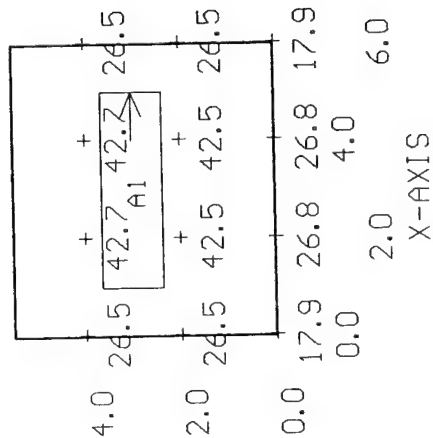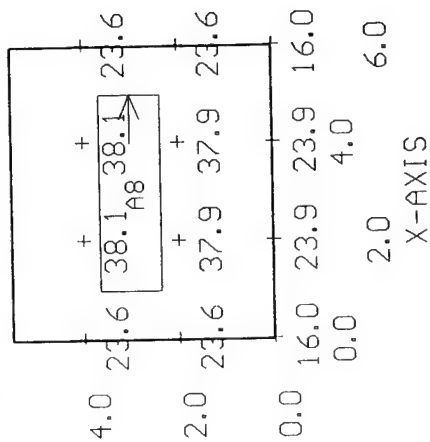| AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
COMPRESSOR ROOM	33x48x25Ft	GRID	<+>	19.3	36.7	5.4
COMPRESSOR RM-N	33x48x25Ft	GRID	<+>	17.1	32.6	4.8
BOILER ROOM	54x60x25Ft	grid	<+>	3.2	13.8	0.2
BOILER ROOM-N	54x60x25Ft	grid	<+>	3.0	13.5	0.2

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:20 7-Feb-95
PROJECT: 33-060   AREA: COMPRESSOR ROOM   GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.09   MAX=30.2   AVE=17.6   AVE/MIN=   2.90 MAX/MIN=   4.95

A1 <6> = K7994 COLUMBIA CS296, (2) F96T12/CW, LLF= 0.72

```
Y-AXIS
48.0 7.13 10.1 11.2 12.0 12.1 11.7 11.0 10.3 9.74 9.47 9.43 9.46 9.37 9.09 8.63 7.89 7.10
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
46.0 10.4 15.8 17.5 18.6 18.8 18.2 16.9 15.7 14.7 14.2 14.3 14.7 14.8 14.4 13.6 12.5 11.2
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
44.0 11.7 17.8 20.2 21.8 22.1 21.0 19.1 17.4 16.3 16.1 16.6 17.5 17.8 17.4 16.3 14.5 12.6
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
42.0 13.0 19.6 22.7 24.7 24.9 23.5 21.1 18.9 17.6 17.5 18.4 19.7 20.2 19.8 18.3 16.0 13.6
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
40.0 14.0 21.0 24.5 26.8 27.1 25.3 22.5 19.9 18.4 18.2 19.2 20.5 21.1 20.7 19.1 16.5 13.9
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
38.0 14.8 22.1 25.6 27.9 28.1 26.3 23.4 20.6 18.8 18.3 18.9 19.9 20.3 19.8 18.3 15.9 13.5
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
36.0 15.5 22.7 26.3 28.5 28.7 26.9 23.8 20.8 18.6 17.5 17.5 17.9 18.0 17.4 16.2 14.3 12.5
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
34.0 15.9 23.2 26.8 28.9 29.0 27.1 24.0 20.6 18.0 16.4 15.7 15.4 15.0 14.4 13.5 12.2 11.0
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
32.0 16.2 23.7 27.4 29.7 29.7 27.5 24.0 20.4 17.3 15.2 13.9 13.0 12.3 11.7 10.9 10.1 9.14
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
30.0 16.4 24.1 27.8 30.0 30.0 27.2 24.0 20.0 16.6 14.1 12.4 11.2 10.3 9.61 9.00 8.35 7.55
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
28.0 16.5 24.2 27.9 30.2 30.1 27.7 23.9 19.8 16.2 13.4 11.5 10.1 9.10 8.36 7.80 7.25 6.68
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
26.0 16.6 24.2 27.9 30.1 30.0 27.6 23.8 19.6 15.9 13.1 11.1 9.60 8.51 7.76 7.19 6.70 6.22
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
24.0 16.6 24.1 27.6 29.7 29.6 27.3 23.6 19.5 15.9 13.0 11.0 9.46 8.39 7.61 7.05 6.53 6.09
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
22.0 16.6 24.2 27.7 29.8 29.7 27.4 23.7 19.5 15.9 13.1 11.1 9.69 8.64 7.88 7.26 6.71 6.20
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
20.0 16.5 24.2 27.8 30.0 29.9 27.6 23.7 19.6 16.1 13.4 11.5 10.3 9.29 8.54 7.88 7.23 6.57
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
18.0 16.3 24.0 27.8 30.1 30.0 27.6 23.8 19.7 16.3 13.8 12.3 11.2 10.4 9.66 8.90 8.09 7.21
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
16.0 16.1 23.7 27.4 29.6 29.6 27.3 23.7 19.9 16.8 14.7 13.5 12.8 12.2 11.5 10.6 9.45 8.34
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
14.0 15.9 23.2 26.8 28.9 29.0 26.9 23.5 20.0 17.3 15.7 15.0 14.7 14.5 13.8 12.6 11.1 9.67
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
12.0 15.5 22.7 26.2 28.2 28.3 26.4 23.2 20.0 17.6 16.5 16.5 17.0 17.1 16.5 14.9 12.8 10.8
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
10.0 15.0 22.1 25.6 27.8 27.9 25.9 22.8 19.8 17.7 17.2 17.8 19.0 19.6 19.0 17.1 14.4 11.7
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 8.0 14.2 21.3 24.7 26.8 26.9 25.0 22.1 19.2 17.5 17.3 18.5 20.0 20.9 20.4 18.3 15.3 12.2
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 6.0 13.3 20.1 23.3 25.3 25.4 23.7 21.0 18.4 17.0 17.0 18.3 20.0 21.0 20.5 18.4 15.4 12.3
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 4.0 12.2 18.5 21.3 23.0 23.2 21.7 19.5 17.4 16.2 16.4 17.5 19.0 19.9 19.4 17.5 14.8 12.0
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 2.0 10.9 16.6 18.7 20.0 20.1 19.2 17.6 16.1 15.3 15.2 16.0 17.0 17.5 17.1 15.7 13.6 11.4
       +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
 0.0 7.61 10.8 12.2 13.0 13.2 12.6 11.7 10.8 10.3 10.3 10.8 11.4 11.7 11.3 10.4 8.94 7.44
     0.0      4.0      8.0      12.0     16.0     20.0     24.0     28.0     32.0
        2.0      6.0      10.0     14.0     18.0     22.0     26.0     30.0
                                  X-AXIS
```
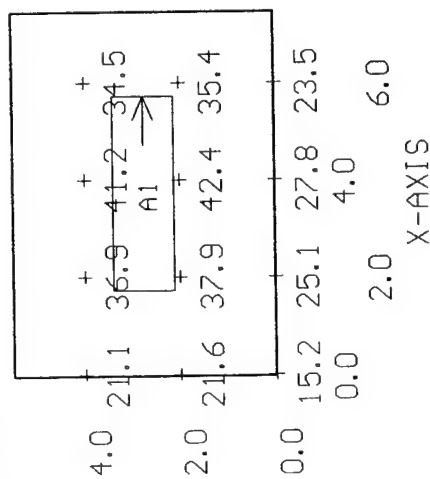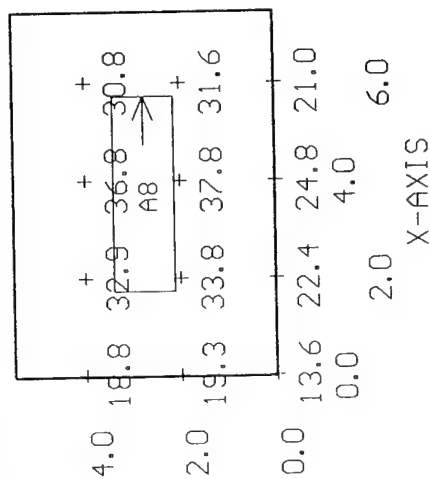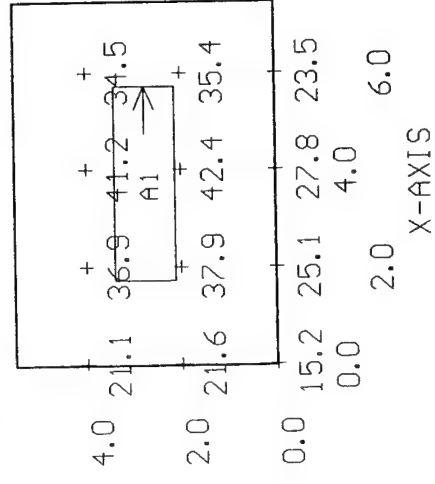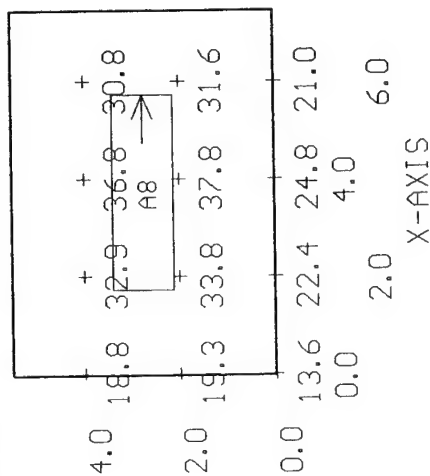
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:24 7-Feb-95
PROJECT: 33-060   AREA: BOILER ROOM   GRID: grid
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.21   MAX=9.71   AVE=3.25   AVE/MIN= 14.88 MAX/MIN= 44.52

B1 <3> = 10366 COLUMBIA KL340-SOLID, <3> F40CW, LLF= 0.68
D <1> = B1401C PRESCOLITE PBX-TB12, <1> 100A19/IF, LLF= 0.76
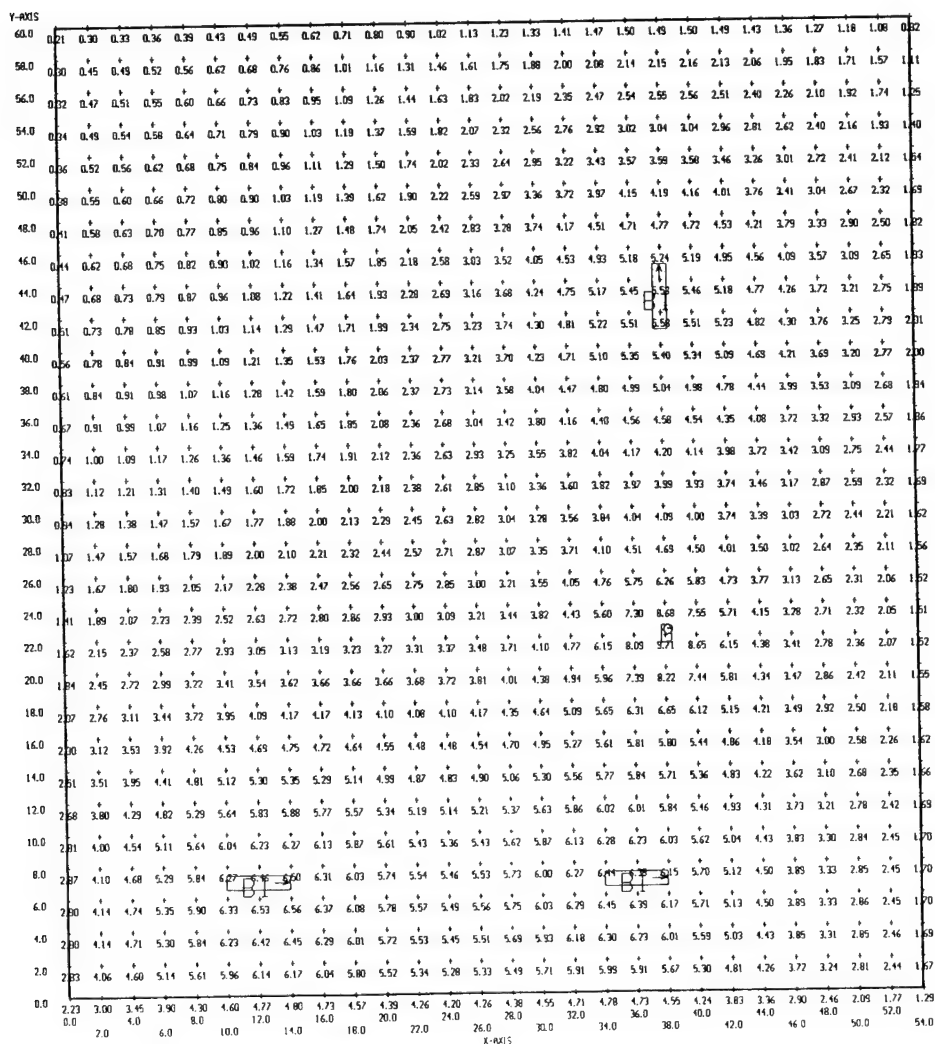
Bldg 33-530 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	210	60	12,600
B1	195	23	4,485
Totals		83	17,085

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
I4	59	73	4,307
Totals		73	4,307

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-530   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 33-530	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Feb-95
Prepared by: C. Warren	UPD: 2.4W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	7"RECESS ROUND DOWNLIGHT,WIDE OPEN-CLR.ALZAK REFL.(20DEG CO) MOLDCAST C-2729	HR175RDXFL39 STD	000 - 210	60	
B1	SC = 1.3 GE LIGHTING PGMA15S	LU-150 STD	000 - 195	23	

NOTES:

Reynolds, Smith & Hills, Inc.
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Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-530   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldg 33-530	Project #6941331
Prepared for: Corps of Engineers	Date: 9-Mar-95
Prepared by: C. Warren	UPD: 0.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
I4	1X4 2L SOLID REFL.INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-PAF-EOCT	FO32/35K EOCT	000 – 59	73	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-530   Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 33-530   Project #6941331
Prepared for: Corps of Engineers   Date: 9-Mar-95
Prepared by: C. Warren   UPD: 1.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
NORTH END	47x60x20Ft	(35)	Type A1	3.0	1
		(6)	Type B1		
NORTH END-N	47x60x20Ft	(28)	Type I4	0.6	1
SOUTH END	47x60x20Ft	(25)	Type A1	2.2	1
		(5)	Type B1		
SOUTH END-N	47x60x20Ft	(30)	Type I4	0.6	1
NE CORNER	49x32x20Ft	(12)	Type B1	1.5	1
NE CORNER-N	49x32x20Ft	(15)	Type I4	0.6	1

NOTES:

Reynolds, Smith & Hills, Inc.
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Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 33-530   Type: Indoor

Project Calculation Summary

Project name: PBA Lighting Survey - Bldg 33-530

Prepared for: Corps of Engineers

Prepared by: C. Warren

Project #6941331
Date: 9-Mar-95
UPD: 1.5W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
NORTH END	47x60x20Ft	Ceiling	<+>	38.8	73.4	0.1
NORTH END-N	47x60x20Ft	Ceiling	<+>	27.6	35.9	0.0
SOUTH END	47x60x20Ft	Ceiling	<+>	29.3	54.8	16.0
SOUTH END-N	47x60x20Ft	Ceiling	<+>	30.3	36.1	19.7
NE CORNER	49x32x20Ft	Ceiling	<+>	38.2	59.6	15.3
NE CORNER-N	49x32x20Ft	Ceiling	<+>	28.5	36.7	14.7

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:51 8-Feb-95
PROJECT: 33-530   AREA: NORTH END   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.05   MAX=73.4   AVE=38.8   AVE/MIN= 775.30 MAX/MIN=1465.16

A1 <35> = M13104 MOLDCAST C-2729, (1) HR175RDXFL39, LLF= 0.53
B1 <6> = GE7404 GE LIGHTING PGMA15S, (1) LU-150, LLF= 0.78

Y-AXIS

Y \ X	1.5	5.5	9.5	13.5	17.5	21.5	25.5	29.5	33.5	37.5	41.5	45.5
58.0	36.1	41.6	42.5	42.3	41.0	36.2	13.4	13.6	36.9	41.5	41.3	36.0
54.0	32.5	37.6	38.6	38.6	37.8	35.3	25.1	25.2	35.6	37.9	37.4	32.4
50.0	37.7	43.7	44.8	44.8	44.5	43.7	42.7	42.8	43.9	44.4	43.5	37.6
46.0	32.6	37.8	38.8	39.0	38.8	38.6	38.4	38.5	38.6	38.6	37.7	32.5
42.0	37.7	43.6	44.7	44.8	44.7	44.6	44.5	44.5	44.5	44.5	43.4	37.5
38.0	32.7	37.9	38.8	39.0	38.9	38.8	38.7	38.7	38.7	38.5	37.6	32.5
34.0	37.8	43.8	44.8	44.9	44.8	44.7	44.6	44.5	44.5	44.3	43.3	37.4
30.0	33.1	38.3	39.3	39.4	39.2	39.1	38.9	38.7	38.6	38.4	37.4	32.4
26.0	38.8	44.9	46.0	46.1	45.8	45.4	45.0	44.6	44.4	44.2	43.1	37.2
22.0	35.8	41.8	43.0	43.0	42.4	41.3	39.8	38.5	38.1	37.7	36.6	31.8
18.0	46.0	54.6	56.6	56.4	54.8	51.3	46.9	43.1	41.6	40.9	39.8	34.7
14.0	45.9	54.7	57.6	57.2	53.9	46.4	33.0	24.9	21.5	20.4	19.5	16.3
10.0	58.2	69.4	73.4	72.8	67.7	55.7	25.8	4.74	1.18	0.35	0.14	0.08
6.0	52.8	64.7	69.2	68.4	62.5	49.4	25.8	0.09	0.07	0.07	0.06	0.05
2.0	57.4	68.4	72.4	71.6	65.4	53.4	23.7	0.07	0.08	0.08	0.07	0.05

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:33 9-Mar-95
PROJECT: 33-530   AREA: NORTH END-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00   MAX=35.9   AVE=27.6   AVE/MIN=N/A MAX/MIN=N/A

I4 <28> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

58.0
54.0
50.0
46.0
42.0
38.0
34.0
30.0
26.0
22.0
18.0
14.0
10.0
6.0
2.0

1.5   9.5   17.5   25.5   33.5   41.5
   5.5   13.5   21.5   29.5   37.5   45.5
                  X-AXIS
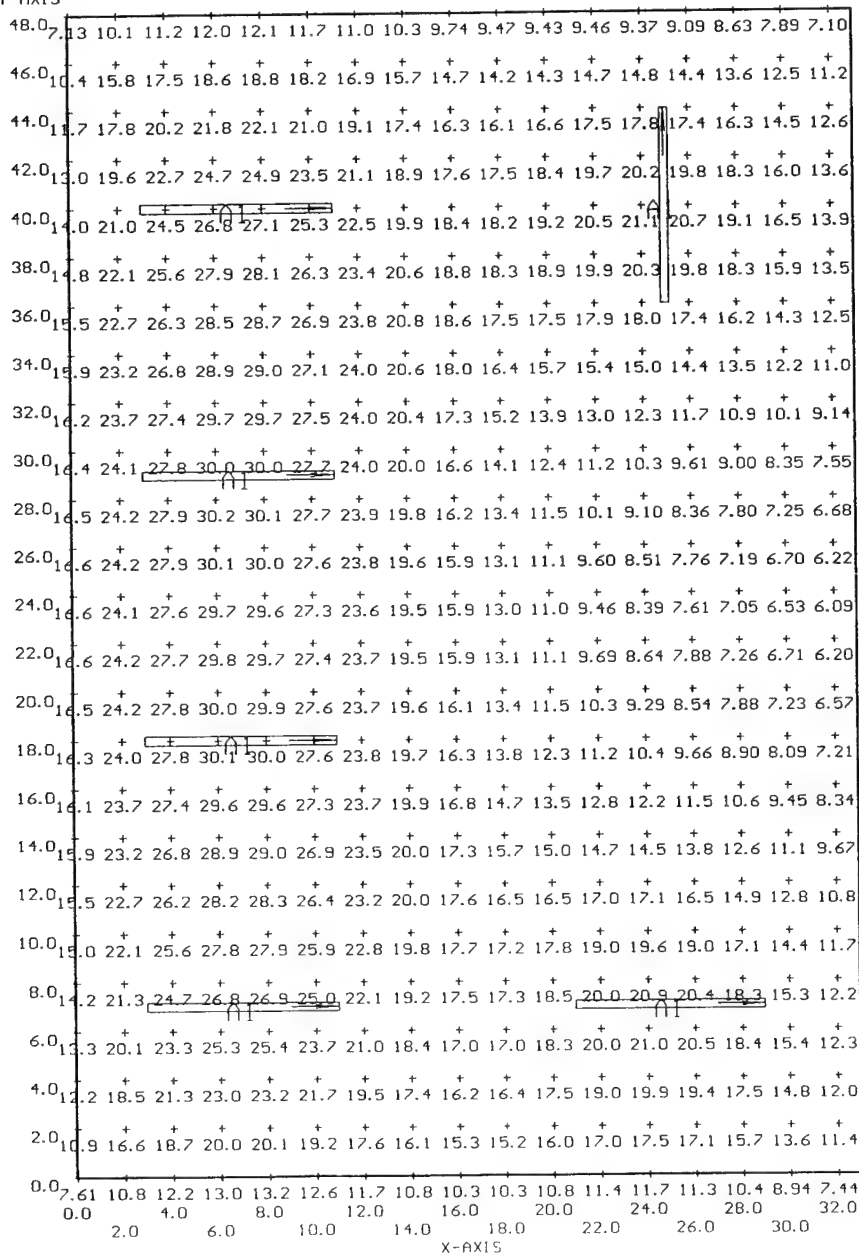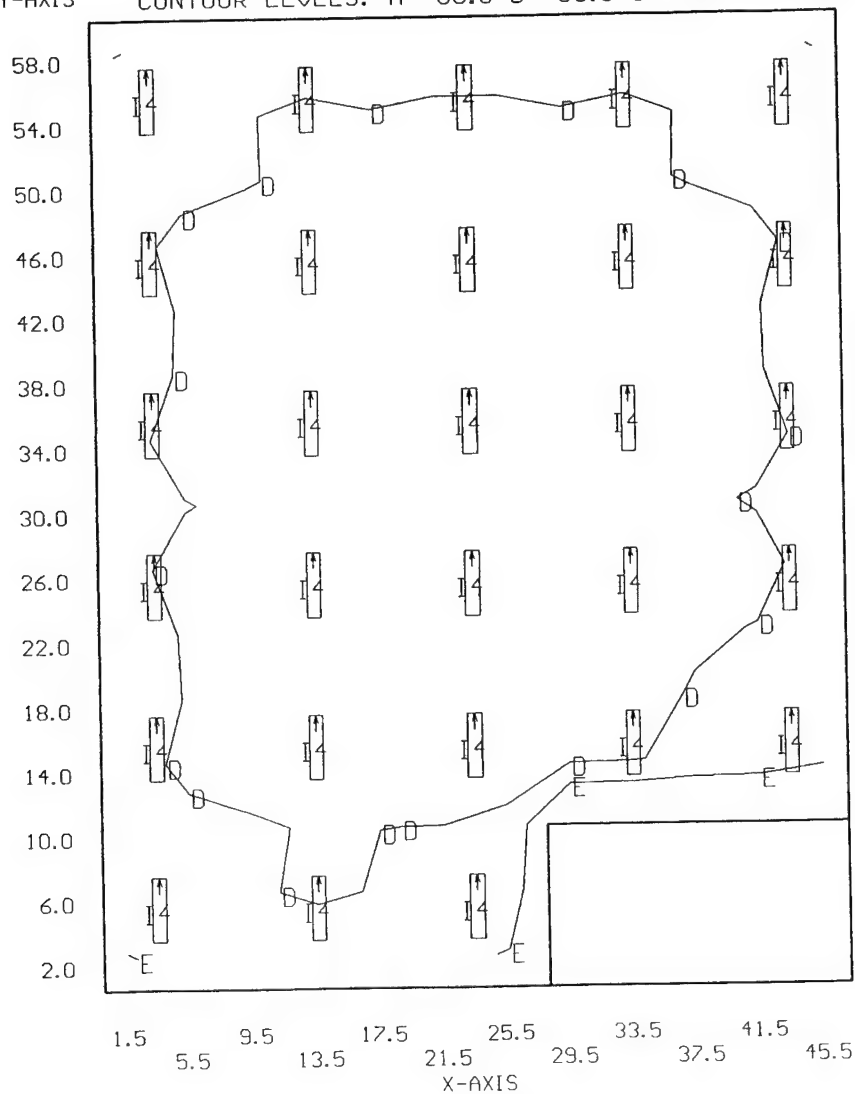
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:02 8-Feb-95
PROJECT: 33-530   AREA: NE CORNER   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=15.3   MAX=59.6   AVE=38.2   AVE/MIN= 2.51   MAX/MIN=   3.91

B1 <12> = GE7404 GE LIGHTING PGMA15S, <1> LU-150, LLF= 0.78

r-AXIS

(Dense point-by-point illuminance data grid — values in FC)

r-AXIS values (top to bottom): 31.0, 29.0, 27.0, 25.0, 23.0, 21.0, 19.0, 17.0, 15.0, 13.0, 11.0, 9.0, 7.0, 5.0, 3.0, 1.0

X-AXIS values (left to right): 1.5, 3.5, 5.5, 7.5, 9.5, 11.5, 13.5, 15.5, 17.5, 19.5, 21.5, 23.5, 25.5, 27.5, 29.5, 31.5, 33.5, 35.5, 37.5, 39.5, 41.5, 43.5, 45.5, 47.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:38 9-Mar-95
PROJECT: 33-530 AREA: NE CORNER-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=14.7   MAX=36.7   AVE=28.5   AVE/MIN= 1.94 MAX/MIN= 2.50

I4 <15> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0
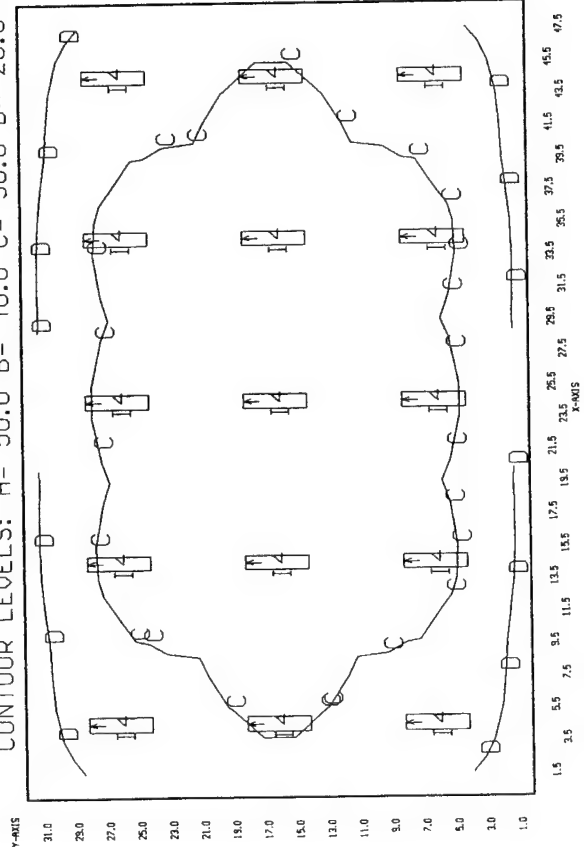
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:13 8-Feb-95
PROJECT: 33-530   AREA: SOUTH END   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.0   MAX=54.8   AVE=29.3   AVE/MIN=   1.83 MAX/MIN=   3.42

A1 〈25〉 = M13104 MOLDCAST C-2729, (1) HR175RDXFL39, LLF= 0.53
B1 〈5〉 = GE7404 GE LIGHTING PGMA15S, (1) LU-150, LLF= 0.78

Y-AXIS

```
        +    +    +    +    +    +    +    +    +    +    +    +
58.0  22.3 23.6 16.2 27.2 16.1 23.7 23.7 16.1 27.2 16.2 23.6 22.3
        + AA  +    +  AA   +    + AA  +    +  AA   +    + AA  +
54.0  31.5 33.3 24.9 34.1 24.8 33.5 33.5 24.8 34.1 24.9 33.3 31.5
        +    +    +    +    +    +    +    +    +    +    +    +
50.0  18.4 20.0 16.1 23.6 16.0 20.3 20.3 16.0 23.6 16.1 20.0 18.4
        +    +    +    +    +    +    +    +    +    +    +    +
46.0  32.AA34.1 25.7 35.0 25.7 34.8 34.3 25.7 35.0 25.7 34.AA32.1
        +    +    +    +    +    +    +    +    +    +    +    +
42.0  25.6 27.3 19.6 31.3 19.5 27.6 27.6 19.5 31.3 19.6 27.3 25.6
        +    +    +    +    +    +    +    +    +    +    +    +
38.0  25.6 27.3 19.6 31.4 19.6 27.6 27.6 19.6 31.4 19.6 27.3 25.6
        + AA  +    +  AA   +    + AA  +    +  AA   +    + AA  +
34.0  32.3 34.2 25.9 35.2 25.9 34.6 34.6 25.9 35.2 25.9 34.2 32.3
        +    +    +    +    +    +    +    +    +    +    +    +
30.0  18.9 20.5 16.6 24.1 16.5 20.8 20.8 16.5 24.1 16.6 20.5 18.9
        +    +    +    +    +    +    +    +    +    +    +    +
26.0  32.AA34.6 26.3 35.6 26.3 35.0 35.0 26.3 35.6 26.3 34.AA32.6
        +    +    +    +    +    +    +    +    +    +    +    +
22.0  26.4 28.4 20.7 32.5 20.7 28.7 28.7 20.7 32.5 20.7 28.4 26.4
        +    +    +    +    +    +    +    +    +    +    +    +
18.0  27.8 30.0 22.3 34.2 22.2 30.4 30.4 22.2 34.2 22.3 30.0 27.8
        + AA  +    +  AA   +    + AA  +    +  AA   +    + AA  +
14.0  38.8 41.7 33.6 42.6 33.5 42.1 42.1 33.5 42.6 33.6 41.7 38.8
        +    +    +    +    +    +    +    +    +    +    +    +
10.0  28.7 32.7 30.5 36.2 30.5 33.6 33.6 30.5 36.2 30.5 32.7 28.7
        + O  +    + O   +    + O  +    + O   +    + O  +
 6.0  41.BB46.5 39.2 BB.8 39.1 47.BB47.9 39.1 BB.8 39.2 46.BB41.5
        +    +    +    +    +    +    +    +    +    +    +    +
 2.0  31.0 35.2 32.1 39.6 31.8 36.2 36.2 31.8 39.6 32.1 35.2 31.0
```

```
      1.5      9.5      17.5      25.5      33.5      41.5
          5.5      13.5      21.5      29.5      37.5      45.5
                        X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:41 9-Mar-95
PROJECT: 33-530   AREA: SOUTH END-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.7   MAX=36.1   AVE=30.3   AVE/MIN=   1.54 MAX/MIN=   1.83

I4 <30> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS
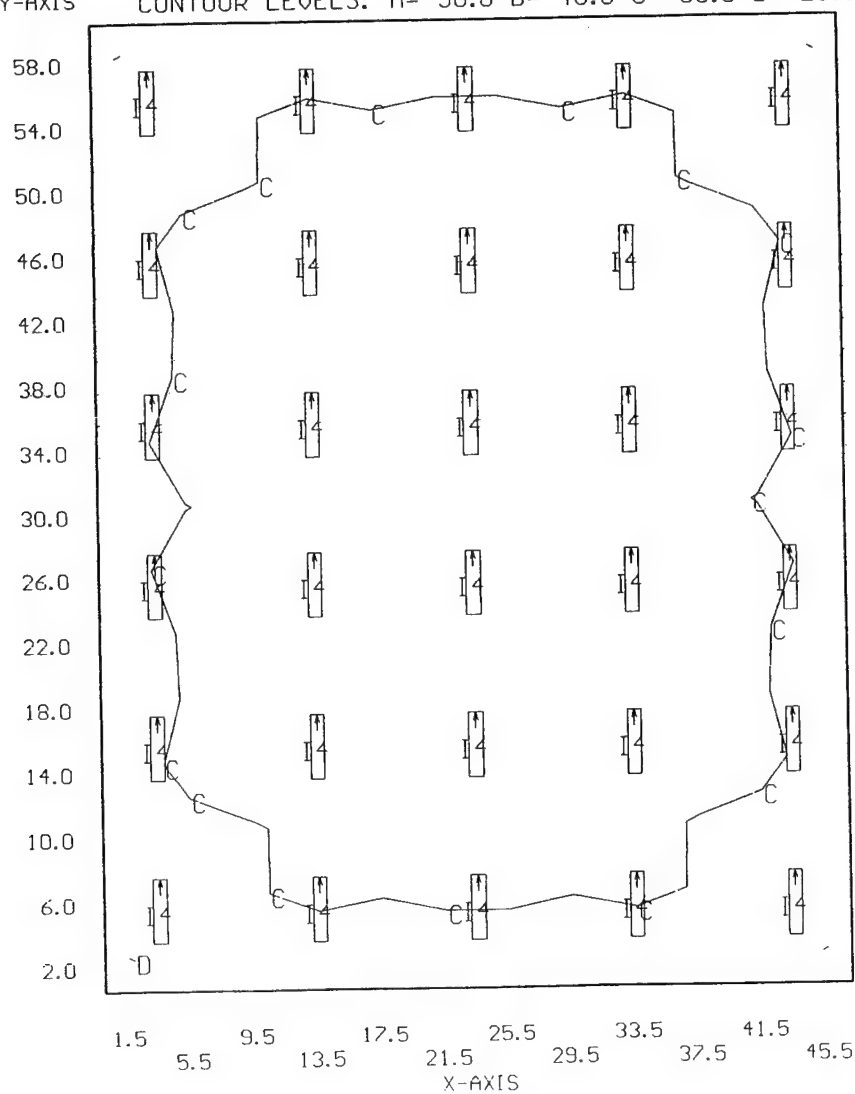
Bldg 34-110 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	82	559	45,838
B1	175	4	700
C1	158	10	1,580
E	176	12	2,112
F	176	4	704
Totals		589	50,934

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	60	579	34,740
C8	105	10	
Totals		589	34,740

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-110   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg 34-110	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 7-Feb-95
Prepared by: R. SHARMA	UPD: 0.6W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	11"X4′ 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW ESB	000 - 82	559	559 ⇒ AB
B1	1X4 4L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL440-SOLID	F40CW ESB	000 - 175	4	4 ⇒ AB
C1	11"X8′ 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	F96T12/CW ESB	000 - 158	10	10 ⇒ CB
E	1X4 4L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL440-SOLID	F40CW STD ESB	000 - 176	12	12 ⇒ AB
F	4′4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP440	F40CW STD ESB	000 - 176	4	4 ⇒ AB

NOTES:

Reynolds, Smith & Hills, Inc.
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Jacksonville, FL   32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-110   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: PBA Lighting Survey - Bldg 34-110	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.4W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	1X4 2L SOLID REFL.INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-PAF-EOCT	FO32/35K EOCT	000 - 60	579	
8	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	FO96/735 EOCT	000 - 105	10	

NOTES:

Reynolds, Smith & Hills, Inc.
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Jacksonville, FL   32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-110   Type: Indoor

Project Area Summary

Project name: PBA Lighting Survey - Bldg 34-110	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 9-Mar-95
Prepared by: R. SHARMA	UPD: 0.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
WP-PACKING	154x154x20Ft	(113)	Type A1	0.4	1
		(4)	Type B1		
WP-PACKING-N	154x154x20Ft	(117)	Type A8	0.3	1
PAINT SHOP	154x28x12Ft	(10)	Type C1	0.4	1
PAINT SHOP-N	154x28x12Ft	(10)	Type C8	0.2	1
PACKING OFFICE	15x12x9Ft	(6)	Type E	5.9	1
PACK OFFICE-N	15x12x9Ft	(6)	Type A8	2.0	1
PREPARATION RM.	137x103x20Ft	(40)	Type A1	0.2	1
PREP RM.-N	137x103x20Ft	(40)	Type A8	0.2	1
PROD. LINE #4	34x100x20Ft	(46)	Type A1	1.1	1
PROD. LINE #4-N	34x100x20Ft	(46)	Type A8	0.8	1
FILLING	150x245x20Ft	(360)	Type A1	0.8	1
		(6)	Type E		
FILLING-N	150x245x20Ft	(366)	Type A8	0.6	1
FILLING OFFICE	10x14x9Ft	(4)	Type F	5.0	1
FILL OFFICE-N	10x14x9Ft	(4)	Type A8	1.7	1

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-110   Type: Indoor

Project Calculation Summary		
Project name: PBA Lighting Survey - Bldg 34-110		Project #6941331
Prepared for: CORP OF ENGINEERS		Date: 9-Mar-95
Prepared by: R. SHARMA		UPD: 0.5W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
WP-PACKING	154x154x20Ft	Ceiling	<+>	18.4	52.6	0.8
WP-PACKING-N	154x154x20Ft	Ceiling	<+>	16.6	42.3	0.7
PAINT SHOP	154x28x12Ft	GRID	<+>	14.2	22.3	6.5
PAINT SHOP-N	154x28x12Ft	GRID	<+>	14.2	27.1	5.1
PACKING OFFICE	15x12x9Ft	GRID	<+>	138.3	165.0	108.2
PACK OFFICE-N	15x12x9Ft	GRID	<+>	71.9	84.5	57.4
PREPARATION RM.	137x103x20Ft	GRID	<+>	9.8	30.4	0.3
PREP RM.-N	137x103x20Ft	GRID	<+>	9.5	34.0	0.2
PROD. LINE #4	34x100x20Ft	Ceiling	<+>	42.8	48.7	25.6
PROD. LINE #4-N	34x100x20Ft	Ceiling	<+>	39.8	45.3	23.9
FILLING	150x245x20Ft	Ceiling	<+>	36.7	49.2	6.3
FILLING-N	150x245x20Ft	Ceiling	<+>	34.5	50.5	4.3
FILLING OFFICE	10x14x9Ft	GRID	<+>	93.0	130.7	40.9
FILL OFFICE-N	10x14x9Ft	GRID	<+>	47.5	66.5	21.7

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:23 7-Feb-95
PROJECT: 34-110   AREA: WP-PACKING   GRID: Ceiling
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.84   MAX=52.6   AVE=18.4   AVE/MIN= 21.82 MAX/MIN= 62.42

A1 <113> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68
B1 <4> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68
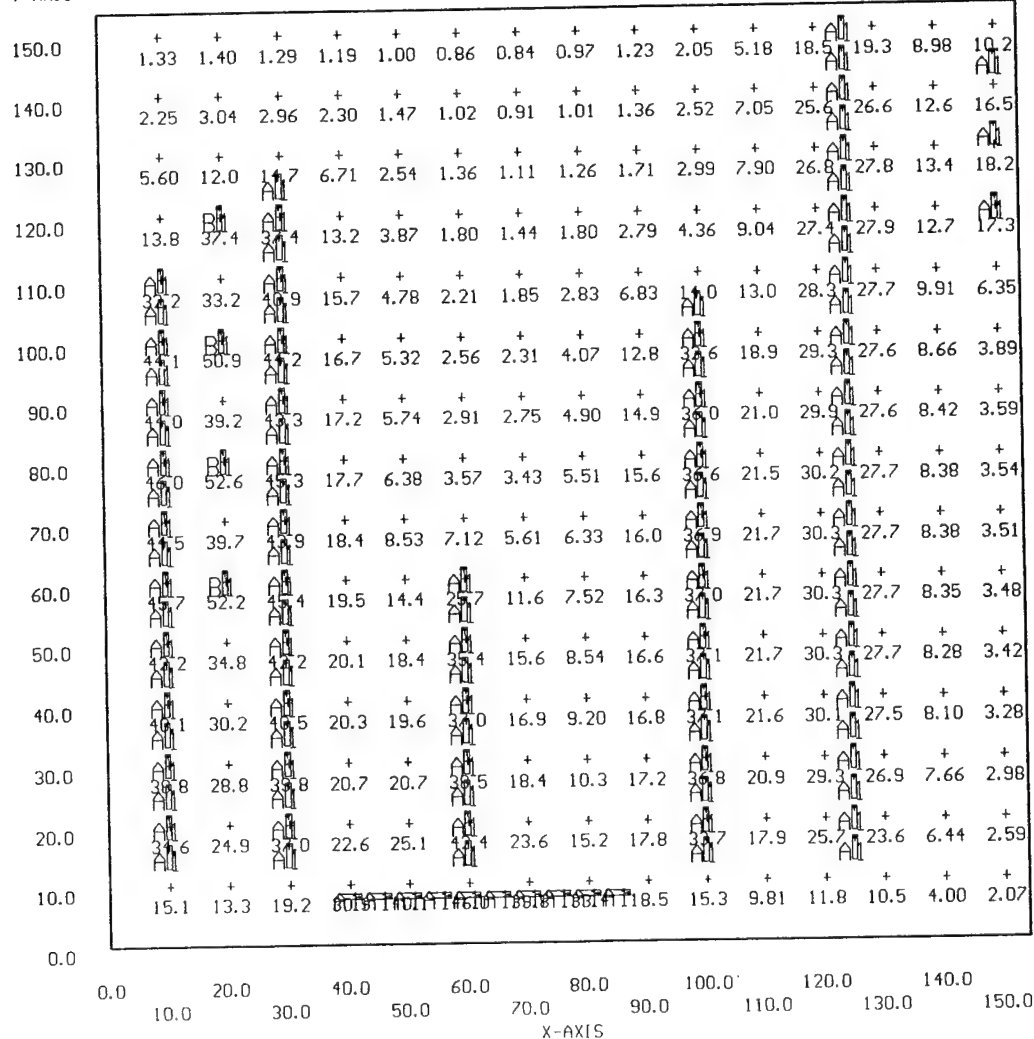
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:25 9-Mar-95
PROJECT: 34-110   AREA: WP-PACKING-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.72   MAX=42.3   AVE=16.6   AVE/MIN= 22.73 MAX/MIN= 58.02

A8 <117> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:19 7-Feb-95
PROJECT: 34-110 AREA: PAINT SHOP GRID: GRID
Values are FC, SCALE: 1 IN= 24.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.47   MAX=22.3   AVE=14.2   AVE/MIN= 2.20 MAX/MIN= 3.45

C1 <10> = K8673 COLUMBIA CSR296-A, (2) F96T12/CW, LLF= 0.67

Y-AXIS

```
25.0   +    +    +     +    +     +    +     +     +    +     +    +     +    +     +     +
      12.7 19.2 8.32 13.9 13.5 20.1 9.10 14.3 20.2 9.12 14.2 20.0 8.42 13.4 19.0 6.47

15.0   +    +    +     +    +     +    +     +    +     +    +     +    +     +    +     +
      12.9 18.1 9.01 14.1 18.8 19.0 9.54 14.4 19.0 9.57 14.3 18.7 9.11 13.7 17.8 6.74

 5.0   +    +    +     +    +     +    +     +    +     +    +     +    +     +    +     +
      13.7 21.4 8.54 14.9 22.2 22.3 9.22 15.3 22.3 9.24 15.2 22.1 8.65 14.4 21.1 6.54

      0.0  20.0  40.0  60.0  80.0  100.0  120.0  140.0
         10.0  30.0  50.0  70.0  90.0  110.0  130.0  150.0
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:33 9-Mar-95
PROJECT: 34-110   AREA: PAINT SHOP-N   GRID: GRID
Values are FC, SCALE: 1 IN= 24.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=5.05   MAX=27.1   AVE=14.2   AVE/MIN=   2.81 MAX/MIN=   5.37

C8 <10> = K7993 COLUMBIA CSR296, <2> F096/735, LLF= 0.66

Y-AXIS

25.0

```
    +       +       +       +       +       +       +       +       +       +
  12.5 C82.4  6.47  13.4 C83.1  7.06  13.7 C83.3  7.07  13.6 C83.1  6.54  12.9 C82.3  5.05

    +       +       +       +       +       +       +       +       +       +
15.0
  11.7  17.8  7.18  12.6  18.4  7.62  12.9  18.5  7.64  12.8  18.3  7.26  12.3  17.6  5.37

    +  C8+    +  C8+    +  C8+    +  C8+    +  C8+    +
5.0
  13.8  26.3  6.62  14.7  27.0  7.14  15.0  27.1  7.17  14.9  26.9  6.70  14.3  26.2  5.11
```

      0.0   20.0   40.0   60.0   80.0   100.0   120.0   140.0
         10.0   30.0   50.0   70.0   90.0   110.0   130.0   150.0
                                    X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:36 7-Feb-95
PROJECT: 34-110 AREA: PACKING OFFICE GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=108.   MAX=165.   AVE=138.   AVE/MIN= 1.28 MAX/MIN= 1.53

E <6> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

11.0	+ 108.	+ 123.	+ 131.	+ 134.	+ 131.	+ 123.	+ 108.
9.0	+ 124. [E] 142.	+ 151. [E] 155.	+ 151. [E] 142.	+ 124.
7.0	+ 132.	+ 151.	+ 162.	+ 165.	+ 162.	+ 151.	+ 132.
5.0	+ 132.	+ 151.	+ 162.	+ 165.	+ 162.	+ 151.	+ 132.
3.0	+ 124. [E] 142.	+ 151. [E] 155.	+ 151. [E] 142.	+ 124.
1.0	+ 108.	+ 123.	+ 131.	+ 134.	+ 131.	+ 123.	+ 108.
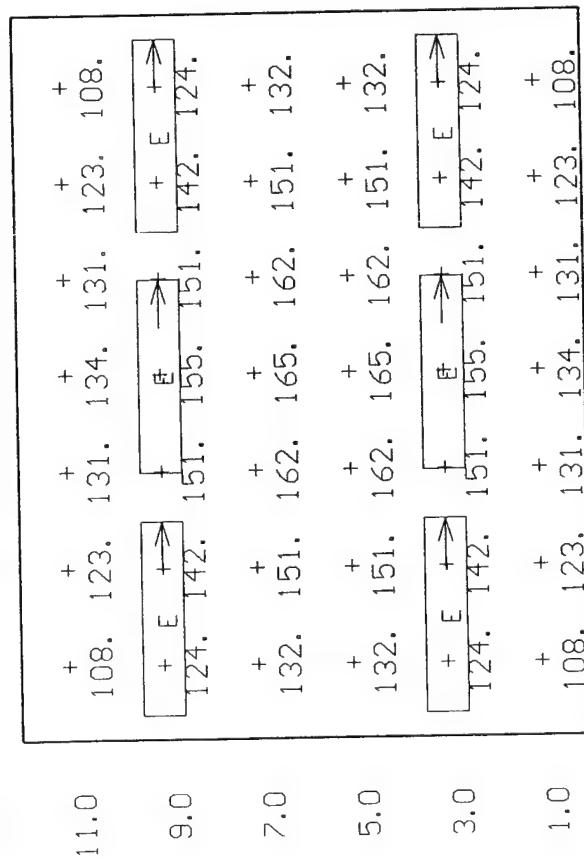
1.5   3.5   5.5   7.5   9.5   11.5   13.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:36 9-Mar-95
PROJECT: 34-110   AREA: PACK OFFICE-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=57.4   MAX=84.5   AVE=71.9   AVE/MIN= 1.25 MAX/MIN= 1.47

A8 <6> = 10331 COLUMBIA CSR240-PAF-EOCT, <2> F032/35K, LLF= 0.66

Y-AXIS

	1.5	3.5	5.5	7.5	9.5	11.5	13.5
11.0	+ 57.4	+ 65.1	+ 69.4	+ 70.6	+ 69.4	+ 65.1	+ 57.4
9.0	+ 64.7 [A8]	73.8	+ 78.4	79.9 [A8]	78.4	+ 73.8 [A8]	64.7
7.0	+ 68.2	77.9	+ 83.0	84.5	+ 83.0	77.9	+ 68.2
5.0	+ 68.2	77.9	+ 83.0	84.5	+ 83.0	77.9	+ 68.2
3.0	+ 64.7 [A8]	73.8	+ 78.4	79.9 [A8]	78.4	+ 73.8 [A8]	64.7
1.0	+ 57.4	+ 65.1	+ 69.4	+ 70.6	+ 69.4	+ 65.1	+ 57.4

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:47 7-Feb-95
PROJECT: 34-110   AREA: PREPARATION RM.   GRID: GRID
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.31   MAX=30.4   AVE=9.81   AVE/MIN=   30.81 MAX/MIN=   95.42

A1 <40> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68

Y-AXIS

Y \ X	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
100.0		0.63	0.59	0.64	0.58	0.42	0.63	0.78	0.90	1.23	1.95	3.07	7.11	6.86
90.0		0.95	0.97	1.09	1.06	0.86	1.04	1.15	1.24	1.70	2.89	6.57	19.9	18.5
80.0		2.09	2.58	2.62	2.60	2.64	1.65	1.74	2.06	2.25	3.39	8.76	28.2	26.8
70.0		5.33	6.10	6.62	6.77	6.8	0.31	0.37	6.3	1.19	2.35	6.07	30.4	28.9
60.0		8.59	10.6	10.5	10.8	11.6	11.2	11.1	11.4	9.90	6.61	11.3	28.6	29.2
50.0		9.72	12.2	12.0	12.3	12.1	12.5	12.4	12.7	10.9	7.22	12.1	28.2	28.8
40.0		10.0	12.6	12.5	12.7	12.6	12.8	12.7	12.0	11.0	6.92	11.0	26.6	26.6
30.0		9.94	12.5	12.4	12.6	12.4	12.7	12.5	11.8	10.7	6.00	8.08	17.7	17.8
20.0		9.38	11.7	11.6	11.8	11.6	11.8	11.7	11.0	9.78	4.77	4.52	6.15	6.11
10.0		7.33	9.0	8.94	9.14	9.7	9.19	9.05	9.1	7.52	3.54	2.57	2.39	2.38
0.0														

X-AXIS

| 0.0 | 10.0 | 20.0 | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 | 100.0 | 110.0 | 120.0 | 130.0 |

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:41 9-Mar-95
PROJECT: 34-110 AREA: PREP RM.-N   GRID: GRID
Values are FC, SCALE: 1 IN= 32.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.18   MAX=34.0   AVE=9.47   AVE/MIN=   52.27 MAX/MIN= 187.37

A8 <40> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

Y-AXIS

X-AXIS
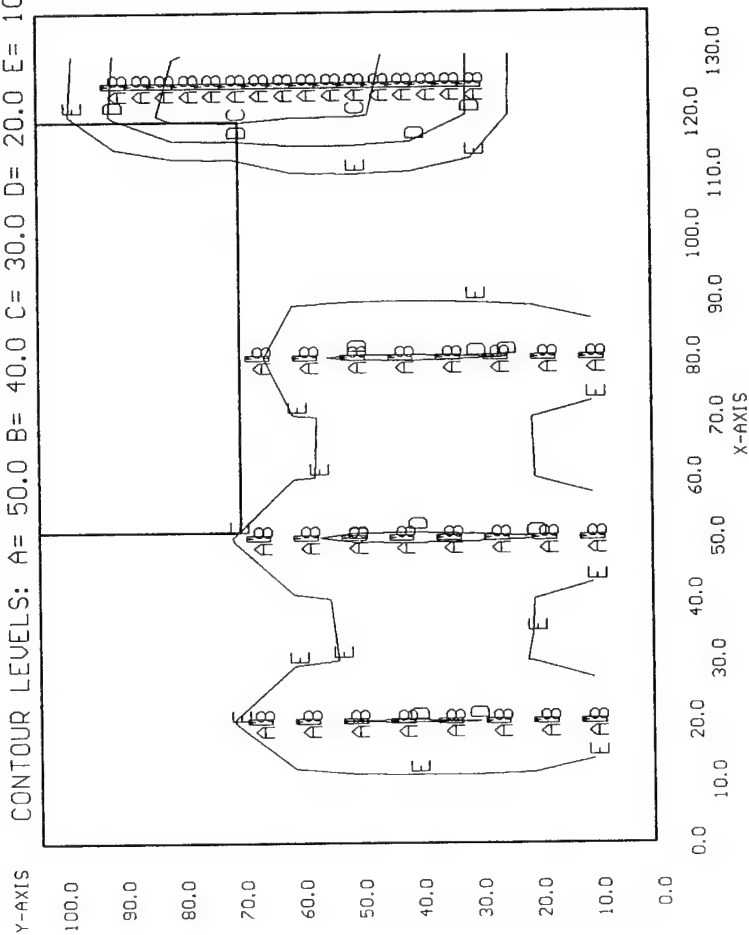
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:58 7-Feb-95
PROJECT: 34-110   AREA: PROD. LINE #4   GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=25.6   MAX=48.7   AVE=42.8   AVE/MIN=   1.67 MAX/MIN=   1.91

A1 <46> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68

```
Y-AXIS
100.0
        ┌──────────────────────────────────────┐
        │   +     +     +     +    +     +      │
  95.0  │  28.1  28.1  26.7  27.2  28.0  25.6   │
        │   +     +     +     +    +     +      │
  90.0  │  36.5  36.4  33.8  34.9  36.2  32.8   │
        │   +     +     +     +    +     +      │
  85.0  │  41.8  41.8  39.0  40.3  42.1  37.5   │
        │   +     +     +     +    +     +      │
  80.0  │  44.6  44.7  41.9  43.2  45.0  39.9   │
        │   +     +     +     +    +     +      │
  75.0  │  46.2  46.4  43.6  44.8  46.6  41.5   │
        │   +     +     +     +    +     +      │
  70.0  │  47.2  47.4  44.6  45.8  47.9  42.5   │
        │   +     +     +     +    +     +      │
  65.0  │  47.8  48.1  45.2  46.5  48.1  43.1   │
        │   +     +     +     +    +     +      │
  60.0  │  48.1  48.4  45.5  46.8  48.7  43.4   │
        │   +     +     +     +    +     +      │
  55.0  │  48.3  48.6  45.8  47.0  48.7  43.5   │
        │   +     +     +     +    +     +      │
  50.0  │  48.3  48.6  45.8  47.0  48.2  43.6   │
        │   +     +     +     +    +     +      │
  45.0  │  48.2  48.7  45.9  47.1  48.7  43.6   │
        │   +     +     +     +    +     +      │
  40.0  │  48.0  48.5  45.7  46.9  48.6  43.5   │
        │   +     +     +     +    +     +      │
  35.0  │  48.1  48.3  45.5  46.7  48.4  43.4   │
        │   +     +     +     +    +     +      │
  30.0  │  47.2  47.9  45.1  46.3  48.0  42.9   │
        │   +     +     +     +    +     +      │
  25.0  │  46.6  47.1  44.3  45.5  47.2  42.2   │
        │   +     +     +     +    +     +      │
  20.0  │  45.7  45.9  43.1  44.3  46.1  41.0   │
        │   +     +     +     +    +     +      │
  15.0  │  43.2  43.7  40.8  42.2  44.1  39.2   │
        │   +     +     +     +    +     +      │
  10.0  │  39.2  39.5  36.7  38.0  39.9  35.6   │
        │   +     +     +     +    +     +      │
   5.0  │  32.5  32.4  30.5  31.2  32.5  29.4   │
        │                                       │
   0.0  └──────────────────────────────────────┘
        0.0      10.0      20.0      30.0
            5.0       15.0      25.0
                  X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:44 9-Mar-95
PROJECT: 34-110   AREA: PROD. LINE #4-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.9   MAX=45.3   AVE=39.8   AVE/MIN=   1.67 MAX/MIN=   1.90

A8 <46> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:09 7-Feb-95
PROJECT: 34-110 AREA: FILLING GRID: Ceiling
Values are FC, SCALE: 1 IN= 40.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations
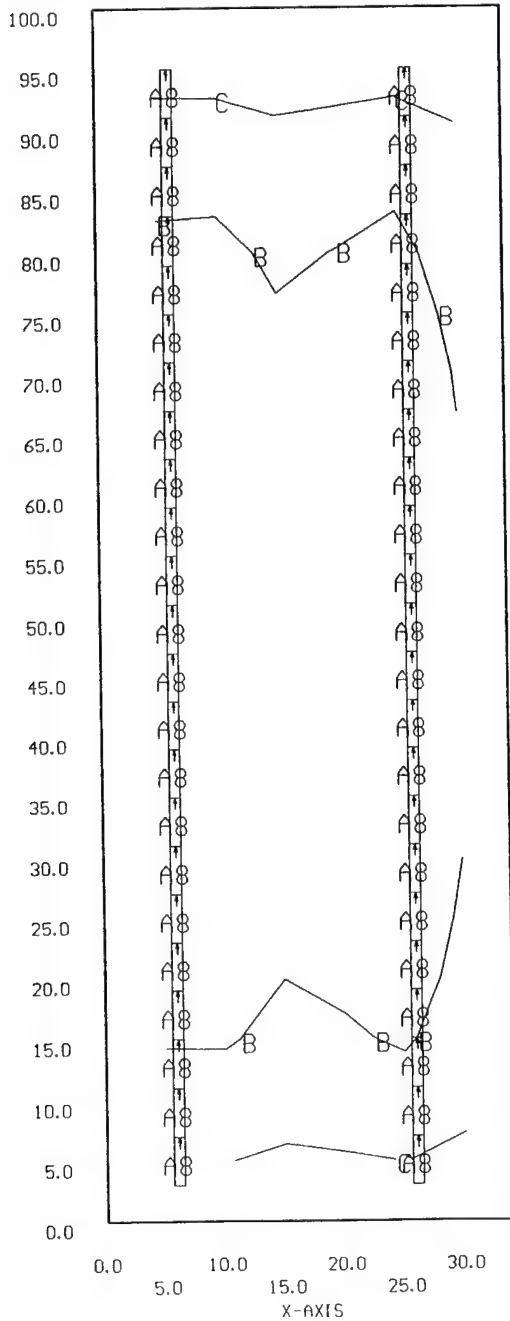
+ MIN=6.28   MAX=49.2   AVE=36.7   AVE/MIN= 5.84 MAX/MIN=   7.84

A1 <360> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68
E <6> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

Y									
240.0	7.93	15.7	26.1	27.6	28.0	27.9	26.6	16.5	6.28
230.0	8.77	20.5	36.1	38.0	38.4	38.2	36.4	21.3	7.47
220.0	9.37	22.2	39.3	41.5	41.9	41.7	39.6	23.0	8.19
210.0	9.70	22.7	40.4	42.8	43.2	42.9	40.6	23.6	8.53
200.0	9.88	23.0	40.8	43.2	43.7	43.4	41.0	23.8	8.71
190.0	10.0	23.2	41.0	43.5	43.9	43.6	41.2	24.0	8.81
180.0	10.2	23.3	41.1	43.6	44.0	43.7	41.3	24.1	8.87
170.0	10.4	23.5	41.2	43.7	44.1	43.8	41.4	24.2	8.90
160.0	10.8	23.8	41.3	43.7	44.2	43.8	41.4	24.2	8.94
150.0	12.6	24.9	41.4	43.8	44.2	43.9	41.5	24.3	8.96
140.0	20.3	28.0	41.5	43.8	44.2	43.9	41.5	24.3	8.97
130.0	21.0	28.6	41.6	43.8	44.2	43.9	41.5	24.3	8.98
120.0	17.6	27.7	41.7	43.9	44.3	43.9	41.5	24.3	8.99
110.0	24.6	29.6	41.7	43.9	44.3	43.9	41.5	24.3	8.98
100.0	17.7	27.8	41.7	43.9	44.3	43.9	41.5	24.3	8.97
90.0	21.5	28.9	41.7	43.9	44.2	43.9	41.5	24.2	8.95
80.0	21.5	28.9	41.7	43.8	44.2	43.9	41.4	24.2	8.94
70.0	17.7	27.8	41.6	43.8	44.2	43.8	41.4	24.2	8.91
60.0	24.5	29.5	41.6	43.7	44.1	43.7	41.3	24.1	8.86
50.0	17.5	27.6	41.5	43.6	43.9	43.6	41.2	24.0	8.79
40.0	21.2	28.5	41.2	43.3	43.6	43.3	41.0	23.8	8.68
30.0	20.9	28.2	40.7	42.7	43.0	42.7	40.5	23.5	8.46
20.0	16.7	26.3	39.1	40.9	41.2	40.9	38.9	22.7	8.03
10.0	22.6	25.3	34.0	35.4	35.6	35.4	33.8	20.1	7.17

0.0

X-AXIS

0.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:57 9-Mar-95
PROJECT: 34-110   AREA: FILLING-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 40.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.31   MAX=50.5   AVE=34.5   AVE/MIN=   8.02 MAX/MIN= 11.73

A8 ⟨366⟩ = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:43 2-Feb-95
PROJECT: 34-110   AREA: FILLING OFFICE   GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=40.9   MAX=131.   AVE=93.0   AVE/MIN=   2.28 MAX/MIN=   3.20

F <4> = K7983L COLUMBIA KP440, (4) F40CW, LLF= 0.68

```
Y-AXIS
 14.0 48.9  71.4  78.9  78.9  71.4  48.9
          +     +     +     +
 12.0 71.6  110.  120.  120.  110.  71.6
               F              F
          +     +     +     +
 10.0 78.6  119.  131.  131.  119.  78.6
          +     +     +     +
  8.0 79.3  119.  131.  131.  119.  79.3
          +     +     +     +
  6.0 78.9  119.  131.  131.  119.  78.9
            +F    →       +   F +  →
  4.0 74.8  114.  125.  125.  114.  74.8
          +     +     +     +
  2.0 63.8  97.4  107.  107.  97.4  63.8

  0.0 40.9  58.9  64.8  64.8  58.9  40.9
      0.0         4.0         8.0
           2.0         6.0         10.0
                  X-AXIS
```
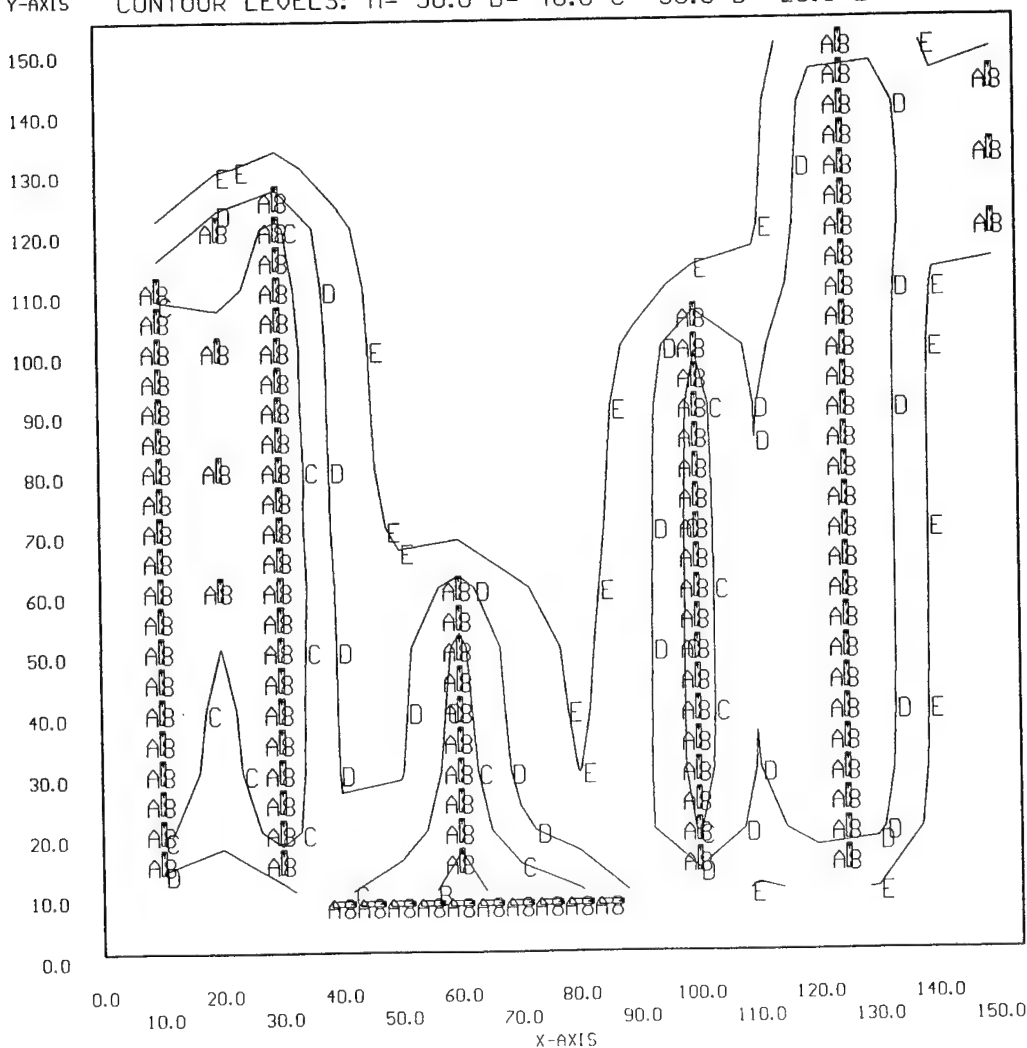
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:00 9-Mar-95
PROJECT: 34-110 AREA: FILL OFFICE-N GRID: GRID
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.7   MAX=66.5   AVE=47.5   AVE/MIN= 2.18 MAX/MIN= 3.06

A8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS

Y \ X						
14.0	25.3	36.9	40.6	40.6	36.9	25.3
12.0	36.4	56.1	61.2	61.2	56.1	36.4
10.0	39.6	60.4	66.0	66.0	60.4	39.6
8.0	40.3	60.8	66.5	66.5	60.8	40.3
6.0	39.8	60.4	66.0	66.0	60.4	39.8
4.0	37.5	57.3	62.6	62.6	57.3	37.5
2.0	33.0	50.4	55.0	55.0	50.4	33.0
0.0	21.7	31.2	34.3	34.3	31.2	21.7

A8↑ A8↑ A8+→

X-AXIS
0.0 2.0 4.0 6.0 8.0 10.0

Bldg 34-120 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	115	16	1,840
B	52	2	104
M1	210	32	6,720
R1	136	4	544
R2	111	16	1,776
R3	82	6	492
Totals		76	11,476

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	91	16	1,456
B8	34	2	68
I2	60	21	1,260
R8	59	8	472
RR	59	14	826
Totals		61	4,082

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-120   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Study - Bldg 34-120	Project #6941331
Prepared for: Corps of Engineers	Date: 8-Feb-95
Prepared by: C. Warren	UPD: 2.1W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	18"X4'3L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WPW340-A	F40CW/RS/WM ESB	000 - 115	16	
B	5"X4"X4' 1L WALL CORRIDOR WRAP LENS- SMOOTH WHITE ACRYLIC COLUMBIA W140-A	F40CW ESB	000 - 52	2	
M1	7"RECESS ROUND DOWNLIGHT,WIDE OPEN-CLR.ALZAK REFL.(20DEG CO) MOLDCAST C-2729	HR175DX39 STD	000 - 210	32	
R1	2'X4' 3L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2SG340-EXA.125NOM	F40CW ESB	000 - 136	4	
R2	2X4 3L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-12 COLUMBIA 4PS2*-52-243	F40CW/RS/WM ESB	000 - 111	16	
R3	2'X4' 2L STATIC GRID TROFFER LENS- .125" THK PRISMATIC A12 COLUMBIA 2SG240-EXA.125NOM	F40CW ESB	000 - 82	6	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-120   Type: Indoor

Luminaire Fixture Schedule /*PROPOSED*

Project name: PBA Lighting Study - Bldg 34-120	Project #6941331
Prepared for: Corps of Engineers	Date: 10-Mar-95
Prepared by: C. Warren	UPD: 0.8W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	18"X4'3L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WPW340-A	FO32/35K ESB	000 - 91	16	
8	5"X4"X4' 1L WALL CORRIDOR WRAP LENS- SMOOTH WHITE ACRYLIC COLUMBIA W140-A	FO32/35K ESB	000 - 34	2	
I2	1X4 2L SOLID REFL.INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-PAF-EOCT	FO32/35K EOCT	000 - 60	21	
R8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	8	
RR	2X4 ACRYLIC LENSED TROFFER SILVER ECONOMY REFLECTOR METALOPTICS 24EKSO42EP11	FO32/35K EOCT	000 - 59	14	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-120   Type: Indoor

Project Area Summary

Project name: PBA Lighting Study - Bldg 34-120	Project #6941331
Prepared for: Corps of Engineers	Date: 10-Mar-95
Prepared by: C. Warren	UPD: 1.5W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
OFFICE 1	21x24x9Ft	(8)	Type R2	1.8	1
OFFICE 1-N	21x24x9Ft	(8)	Type RR	0.9	1
OFFICE	12x10x9Ft	(2)	Type R2	1.9	1
FICE-N	12x10x9Ft	(2)	Type RR	1.0	1
HALLWAY	6x32x12Ft	(3)	Type M1	3.3	1
HALLWAY-N	6x32x12Ft	(2)	Type I2	0.6	1
OFFICE 4	30x32x12Ft	(15)	Type M1	3.3	1
OFFICE 4-N	30x32x12Ft	(16)	Type I2	1.0	1
STORAGE	40x41x12Ft	(14)	Type M1	1.8	1
STORAGE-N	40x41x12Ft	(3)	Type I2	0.1	1
BREAKROOM	12x16x9Ft	(3)	Type R3	1.3	1
BREAKROOM-N	12x16x9Ft	(2)	Type R8	0.6	1
TOILETS/FOYER	21x16x9Ft	(2) (3)	Type B Type R3	1.0	1
TOILETS/FOYER-N	21x16x9Ft	(2) (3)	Type B8 Type R8	0.7	1
LAB	30x32x9Ft	(16)	Type A1	1.9	1
\B-N	30x32x9Ft	(16)	Type A8	1.5	1
OFFICE 3	20x15x9Ft	(4)	Type R1	1.8	1
OFFICE 3-N	20x15x9Ft	(4)	Type RR	0.8	1

OFFICE 4	8x20x9Ft	(6) Type R2	4.2	1
OFFICE 4-N	8x20x9Ft	(3) Type R8	1.1	1

NOTES:

34-120 Calculations

●

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-120   Type: Indoor

```
-----------------------------------------------------------------------
|                    Project Calculation Summary                      |
|---------------------------------------------------------------------|
| Project name: PBA Lighting Study - Bldg 34-120  | Project #6941331  |
| Prepared for: Corps of Engineers                | Date: 10-Mar-95   |
| Prepared by:  C. Warren                         | UPD: 1.5W/Sq.Ft   |
-----------------------------------------------------------------------
```

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
OFFICE 1	21x24x9Ft	Ceiling	<+>	49.8	61.2	24.2
OFFICE 1-N	21x24x9Ft	Ceiling	<+>	45.0	54.8	21.8
OFFICE	12x10x9Ft	Ceiling	<+>	41.4	56.5	28.9
OFFICE-N	12x10x9Ft	Ceiling	<+>	37.4	51.6	26.1
HALLWAY	6x32x12Ft	Ceiling	<+>	40.7	47.2	23.1
HALLWAY-N	6x32x12Ft	Ceiling	<+>	16.5	26.0	6.0
OFFICE 4	30x32x12Ft	Ceiling	<+>	64.4	86.8	28.5
OFFICE 4-N	30x32x12Ft	Ceiling	<+>	47.5	56.8	30.0
STORAGE	40x41x12Ft	Ceiling	<+>	34.6	70.5	0.2
STORAGE-N	40x41x12Ft	Ceiling	<+>	5.8	21.9	0.0
BREAKROOM	12x16x9Ft	Ceiling	<+>	38.7	53.7	22.6
BREAKROOM-N	12x16x9Ft	Ceiling	<+>	24.7	36.4	13.7
TOILETS/FOYER	21x16x9Ft	Ceiling	<+>	20.8	44.2	0.0
TOILETS/FOYER-N	21x16x9Ft	Ceiling	<+>	19.6	42.2	0.0
LAB	30x32x9Ft	Ceiling	<+>	49.5	57.0	33.3
B-N	30x32x9Ft	Ceiling	<+>	52.5	60.4	35.3
OFFICE 3	20x15x9Ft	Ceiling	<+>	51.6	62.5	35.4
OFFICE 3-N	20x15x9Ft	Ceiling	<+>	38.6	52.0	24.3

34-120 Calculations

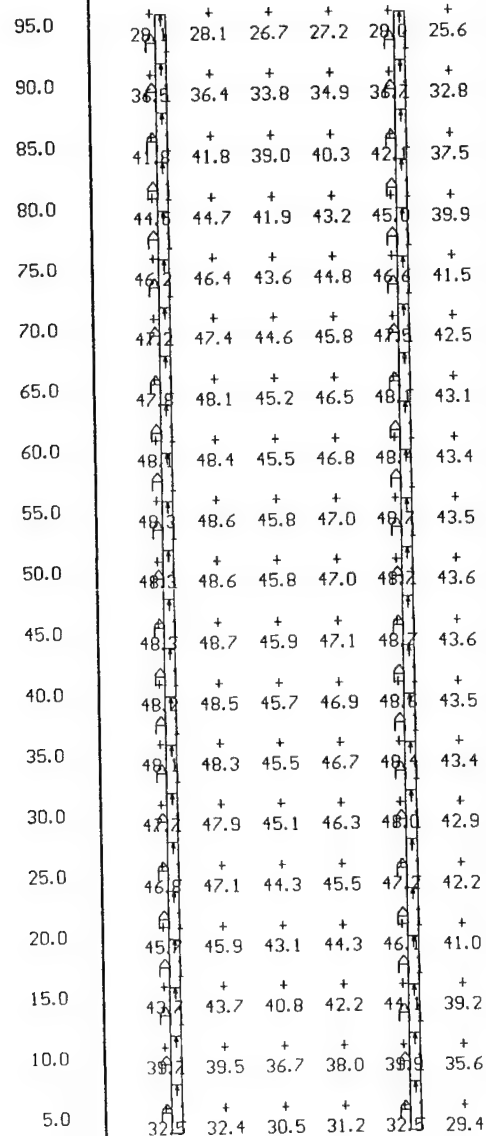|						
FICE 4	8x20x9Ft	Ceiling	<+>	90.1	103.6	72.2
OFFICE 4-N	8x20x9Ft	Ceiling	<+>	42.1	52.2	30.0

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:28 8-Feb-95
PROJECT: 34-120   AREA: OFFICE 1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.2   MAX=61.2   AVE=49.8   AVE/MIN=   2.05 MAX/MIN=   2.52
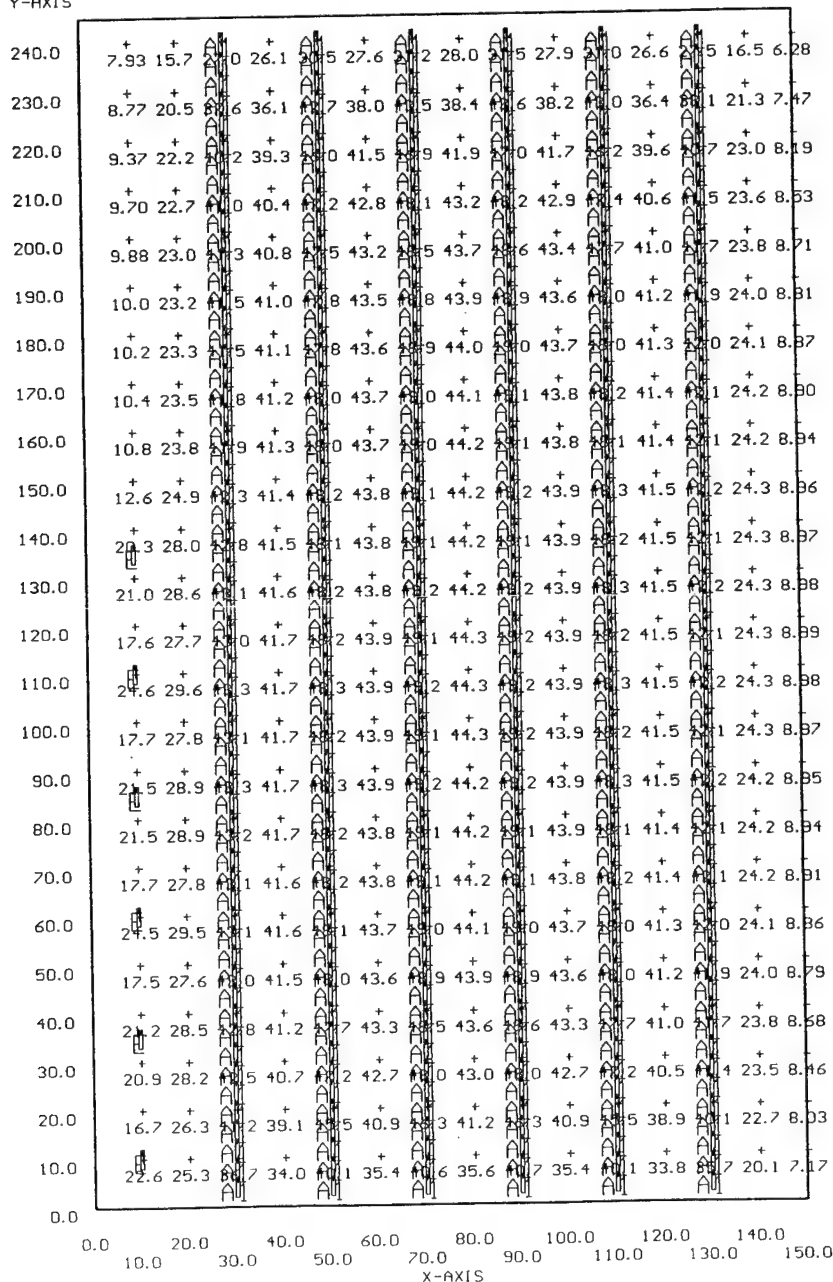

R2 <8> = 9784 COLUMBIA 4PS2*-52-243, (3) F40CW/RS/WM, LLF= 0.63

Y-AXIS

Y	+39.0	+39.4	+35.0	+28.9	+25.6	+25.5	+28.6	+34.8	+39.2	+38.8
23.0	39.0	39.4	35.0	28.9	25.6	25.5	28.6	34.8	39.2	38.8
21.0	49.5	50.7	45.1	38.9	35.8	35.6	38.4	44.6	50.4	49.3
19.0	53.7	56.0	52.2	49.0	48.2	47.8	48.1	51.4	55.5	53.5
17.0	53.0	56.3	55.5	56.0	58.3	57.6	54.7	54.5	55.7	52.7
15.0	54.3	57.8	57.6	58.5	61.1	60.6	57.2	56.4	57.2	54.0
13.0	57.7	61.2	59.3	58.7	59.8	59.3	57.5	58.2	60.5	57.3
11.0	57.6	61.2	59.4	58.9	60.2	59.7	57.7	58.3	60.5	57.3
9.0	54.2	57.7	57.4	58.4	61.3	60.6	57.1	56.3	57.0	53.9
7.0	52.9	55.9	54.8	54.7	56.5	56.0	53.5	53.8	55.3	52.6
5.0	53.5	55.5	51.1	47.0	45.5	45.2	46.2	50.4	55.1	53.3
3.0	49.3	50.2	44.1	37.2	33.6	33.5	36.8	43.7	50.0	49.1
1.0	38.7	39.1	34.4	27.8	24.3	24.2	27.7	34.2	38.9	38.6

X-AXIS

1.5   5.5   9.5   13.5   17.5
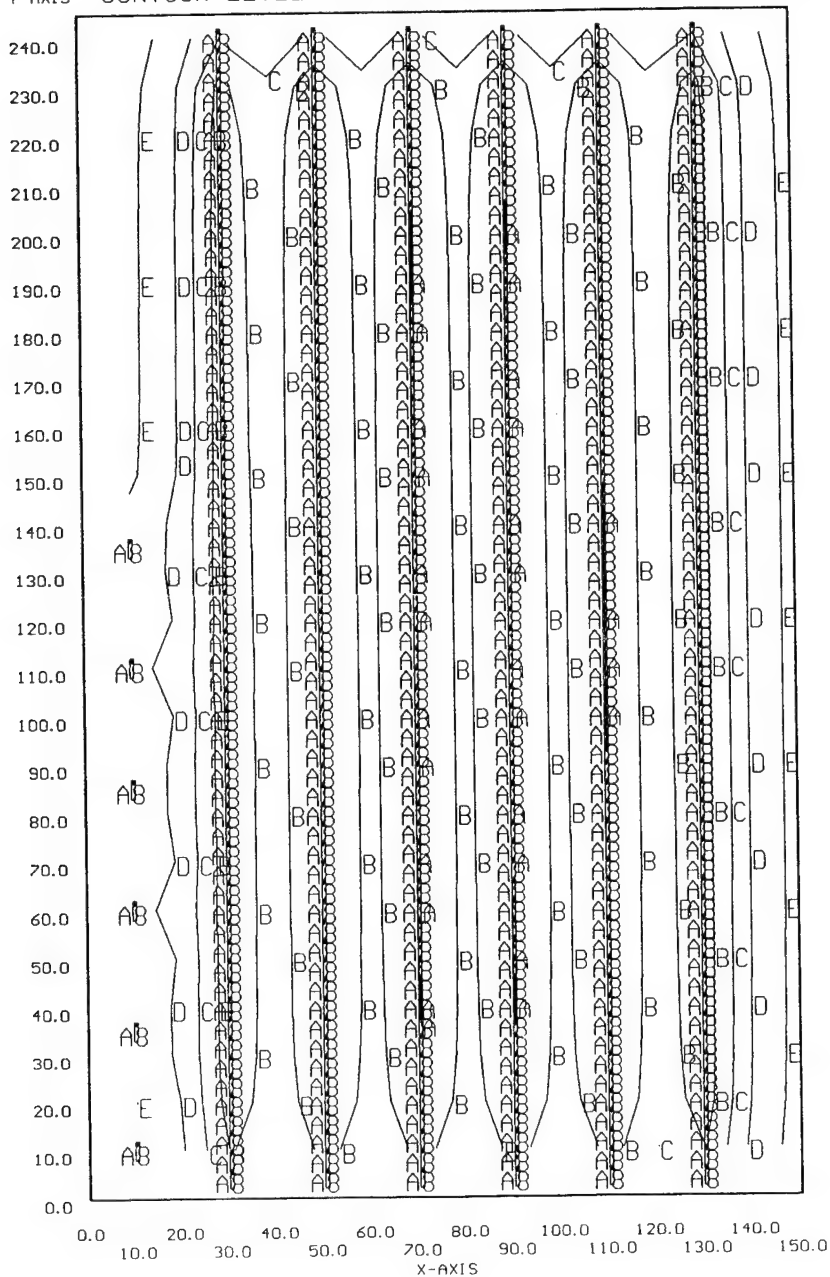   3.5   7.5   11.5   15.5   19.5

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:12 10-Mar-95
PROJECT: 34-120 AREA: OFFICE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.8   MAX=54.8   AVE=45.0   AVE/MIN=   2.06 MAX/MIN=   2.51

RR <8> = T10620 METALOPTICS 24EKS042EP11, (2) FO32/35K, LLF= 0.66
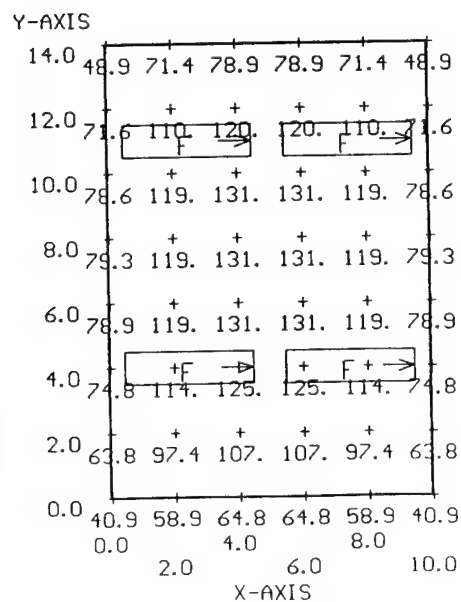
Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:29 8-Feb-95
PROJECT: 34-120 AREA: OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.9   MAX=56.5   AVE=41.4   AVE/MIN=   1.44 MAX/MIN=   1.96

R2 <2> = 9784 COLUMBIA 4PS2*-52-243, (3) F40CW/RS/WM, LLF= 0.63

Y-AXIS

```
        +      +      +      +      +      +
9.0    28.9   33.8   36.6   36.6   33.8   28.9

        +      +      +      +      +      +
7.0    38.7  |46.4|  50.0   50.0  |46.4|  38.7

        +     R2     +      +     R2     +
5.0    43.9  |52.6|  56.5   56.5  |52.6|  43.9

        +      +      +      +      +      +
3.0    38.7   46.4   50.0   50.0   46.4   38.7

        +      +      +      +      +      +
1.0    28.9   33.8   36.6   36.6   33.8   28.9
```

```
   1.0        5.0        9.0
        3.0        7.0        11.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:14 10-Mar-95
PROJECT: 34-120   AREA: OFFICE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

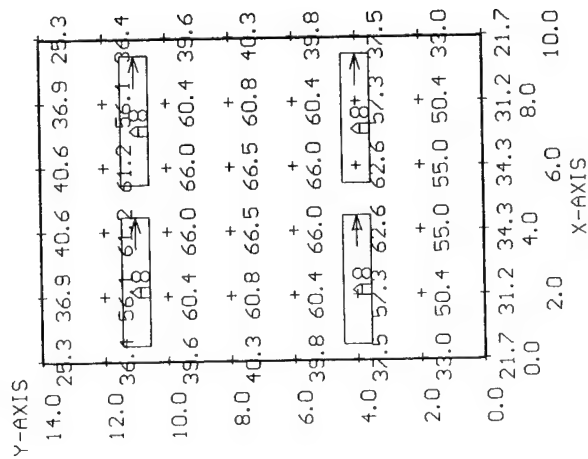+ MIN=26.1   MAX=51.6   AVE=37.4   AVE/MIN=   1.43 MAX/MIN=   1.98

RR <2> = T10620 METALOPTICS 24EKS042EP11, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

9.0

7.0

5.0

3.0

1.0

    1.0   5.0   9.0
        3.0   7.0   11.0
              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:29 8-Feb-95
PROJECT: 34-120   AREA: HALLWAY   GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.1   MAX=47.2   AVE=40.7   AVE/MIN=   1.77 MAX/MIN=   2.05

M1 <3> = M13104 MOLDCAST C-2729, (1) HR175DX39, LLF= 0.58

Y-AXIS

31.0	+ 23.1	+ 25.6	+ 23.1
29.0	+ 36.1	+ 39.7	+ 36.1
27.0	+ 44.0	+ 43.0	+ 44.0
25.0	+ 45.5	+ 44.8	+ 45.5
23.0	+ 42.1	+ 46.5	+ 42.1
21.0	+ 39.2	+ 44.5	+ 39.2
19.0	+ 42.8	+ 47.2	+ 42.8
17.0	+ 47.1	+ 46.4	+ 47.1
15.0	+ 47.1	+ 46.4	+ 47.1
13.0	+ 42.8	+ 47.2	+ 42.8
11.0	+ 39.2	+ 44.5	+ 39.2
9.0	+ 42.1	+ 46.5	+ 42.1
7.0	+ 45.5	+ 44.8	+ 45.5
5.0	+ 44.0	+ 43.0	+ 44.0
3.0	+ 36.1	+ 39.7	+ 36.1
1.0	+ 23.1	+ 25.6	+ 23.1

     1.0   5.0
        3.0
       X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:20 10-Mar-95
PROJECT: 34-120   AREA: HALLWAY-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.99   MAX=26.0   AVE=16.5   AVE/MIN=   2.75 MAX/MIN=   4.34

I2 <2> = 10331 COLUMBIA CSR240-PAF-EOCT, <2> FO32/35K, LLF= 0.66


```
Y-AXIS
           ┌─────────────────┐
           │  +    +    +     │
   31.0     6.08 5.99 6.08
           │  +    +    +     │
   29.0     8.45 8.52 8.45
           │  +    +    +     │
   27.0     12.3 12.9 12.3
           │  +    +    +     │
   25.0     17.9 19.3 17.9
           │     ┌─┐          │
           │  +  │↑│  +        │
   23.0     22.7 25.2 22.7
           │     │2│          │
           │  +  │+│  +        │
   21.0     23.6 26.0 23.6
           │     └─┘          │
           │  +    +    +     │
   19.0     20.6 21.9 20.6
           │  +    +    +     │
   17.0     17.5 18.2 17.5
           │  +    +    +     │
   15.0     17.5 18.2 17.5
           │  +    +    +     │
   13.0     20.6 21.9 20.6
           │  ┌─┐            │
           │  │↑│  +    +     │
   11.0     23.6 26.0 23.6
           │  │2│            │
           │  │+│  +    +     │
    9.0     22.7 25.2 22.7
           │  └─┘            │
           │  +    +    +     │
    7.0     17.9 19.3 17.9
           │  +    +    +     │
    5.0     12.3 12.9 12.3
           │  +    +    +     │
    3.0     8.45 8.52 8.45
           │  +    +    +     │
    1.0     6.08 5.99 6.08
           └─────────────────┘
              1.0        5.0
                  3.0
                 X-AXIS
```
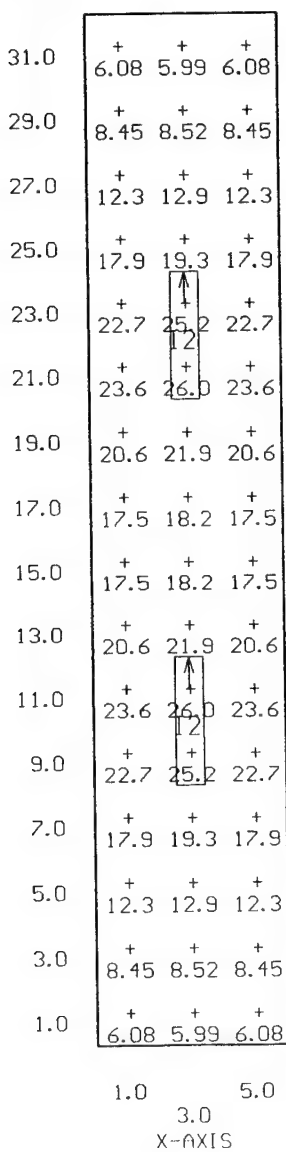
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:48 8-Feb-95
PROJECT: 34-120   AREA: OFFICE 4   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.5   MAX=86.8   AVE=64.4   AVE/MIN=   2.26 MAX/MIN=   3.05

M1 <15> = M13104 MOLDCAST C-2729, (1) HR175DX39, LLF= 0.58

Y-AXIS

Y	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0
31.0	28.5	33.9	36.2	37.7	39.0	39.1	39.3	40.0	39.3	39.1	39.0	37.7	36.2	33.9	28.5
29.0	42.8	51.3	58.8	61.1	59.7	62.9	63.2	60.7	63.2	62.9	59.7	61.1	58.8	51.3	42.8
27.0	51.8	58.0	74.1	77.1	68.4	79.2	79.5	70.7	79.5	79.2	68.4	77.1	74.1	58.0	51.8
25.0	53.9	60.7	77.1	80.4	72.8	82.6	83.0	74.1	83.0	82.6	72.8	80.4	77.1	60.7	53.9
23.0	50.4	61.1	69.9	72.9	71.8	75.2	75.6	73.2	75.6	75.2	71.8	72.9	69.9	61.1	50.4
21.0	47.5	58.5	63.0	66.0	68.6	68.3	68.7	69.9	68.7	68.3	68.6	66.0	63.0	58.5	47.5
19.0	51.5	62.3	71.3	74.4	73.5	76.8	77.3	74.9	77.3	76.8	73.5	74.4	71.3	62.3	51.5
17.0	56.3	63.5	80.3	83.9	76.4	86.4	86.8	77.9	86.8	86.4	76.4	83.9	80.3	63.5	56.3
15.0	56.3	63.5	80.3	83.9	76.4	86.4	86.8	77.9	86.8	86.4	76.4	83.9	80.3	63.5	56.3
13.0	51.5	62.3	71.3	74.4	73.5	76.8	77.3	74.9	77.3	76.8	73.5	74.4	71.3	62.3	51.5
11.0	47.5	58.5	63.0	66.0	68.6	68.3	68.7	69.9	68.7	68.3	68.6	66.0	63.0	58.5	47.5
9.0	50.4	61.1	69.9	72.9	71.8	75.2	75.6	73.2	75.6	75.2	71.8	72.9	69.9	61.1	50.4
7.0	53.9	60.7	77.1	80.4	72.8	82.6	83.0	74.1	83.0	82.6	72.8	80.4	77.1	60.7	53.9
5.0	51.8	58.0	74.1	77.1	69.4	79.2	79.5	70.7	79.5	79.2	69.4	77.1	74.1	58.0	51.8
3.0	42.8	51.3	58.8	61.1	59.7	62.9	63.2	60.7	63.2	62.9	59.7	61.1	58.8	51.3	42.8
1.0	28.5	33.9	36.2	37.7	39.0	39.1	39.3	40.0	39.3	39.1	39.0	37.7	36.2	33.9	28.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:23 10-Mar-95
PROJECT: 34-120   AREA: OFFICE 4-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.0   MAX=56.8   AVE=47.5   AVE/MIN=   1.58 MAX/MIN=   1.89

I2 <16> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0
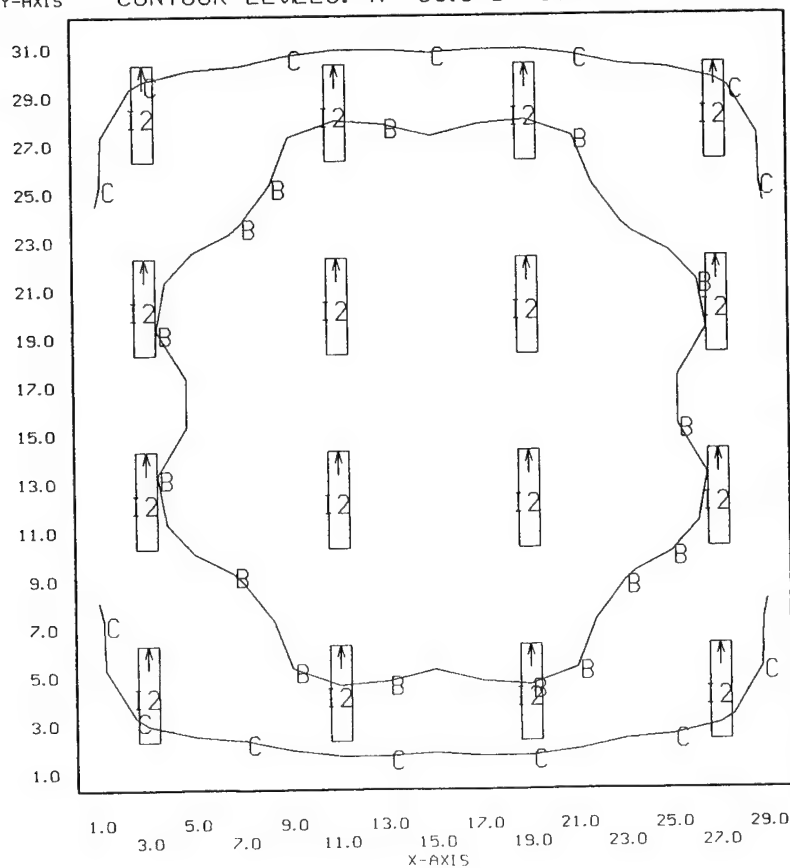
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:02 8-Feb-95
PROJECT: 34-120   AREA: STORAGE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.15   MAX=70.5   AVE=34.6   AVE/MIN= 217.60 MAX/MIN= 443.89

M1 <14> = M13104 MOLDCAST C-2729, (1) HR175DX39, LLF= 0.58

Y-AXIS

```
          +     +     +     +     +    +     +     +    +     +
38.0    0.21  0.25  0.28  0.29  0.27 18.0  35.6  28.6 0.74  0.86
                                            M1
          +     +     +     +     +    +     +     +    +     +
34.0    0.21  0.25  0.30  0.33  0.31 26.5  44.3  38.9 0.94  1.06

          +     +     +     +     +    +     +     +    +     +
30.0    0.19  0.23  0.29  0.33  0.31 36.3  48.0  43.4 1.17  1.19

          +     +     +     +     +    + M1        M1   +     +
26.0    0.15  0.19  0.25  0.33  0.33 51.1  66.5  54.4 2.69  1.06

          +     +     +     +     +    +     +     +    +     +
22.0    16.7  18.1  19.8  21.4  29.1 49.7  56.5  53.9 1.16  0.92

          +     +     +     +     +    +     +     +    +     +
18.0    45.5  54.9  53.5  57.2  57.7 61.2  64.5  61.3 56.1  44.8
         M1          M1          M1         M1         M1    M1
          +     +     +     +     +    +     +     +    +     +
14.0    50.0  66.4  61.8  69.1  66.7 67.1  70.0  62.6 65.7  48.6

          +     +     +     +     +    +     +     +    +     +
10.0    35.6  51.4  56.4  57.6  57.1 55.6  55.0  52.8 49.8  35.8

          +     M1    +    M1 +    +  M1 +       M1 +    M1   +
 6.0    35.6  52.4  70.3  63.2  70.5 70.0  60.2  66.3 51.2  37.6

          +     +     +     +     +    +     +     +    +     +
 2.0    23.2  40.5  45.6  47.6  49.6 49.0  47.6  44.8 41.2  25.6
```

```
      2.0         10.0        18.0        26.0        34.0
           6.0         14.0        22.0        30.0        38.0
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:28 10-Mar-95
PROJECT: 34-120 AREA: STORAGE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.03   MAX=21.9   AVE=5.80   AVE/MIN= 157.78 MAX/MIN= 596.73

I2 <3> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

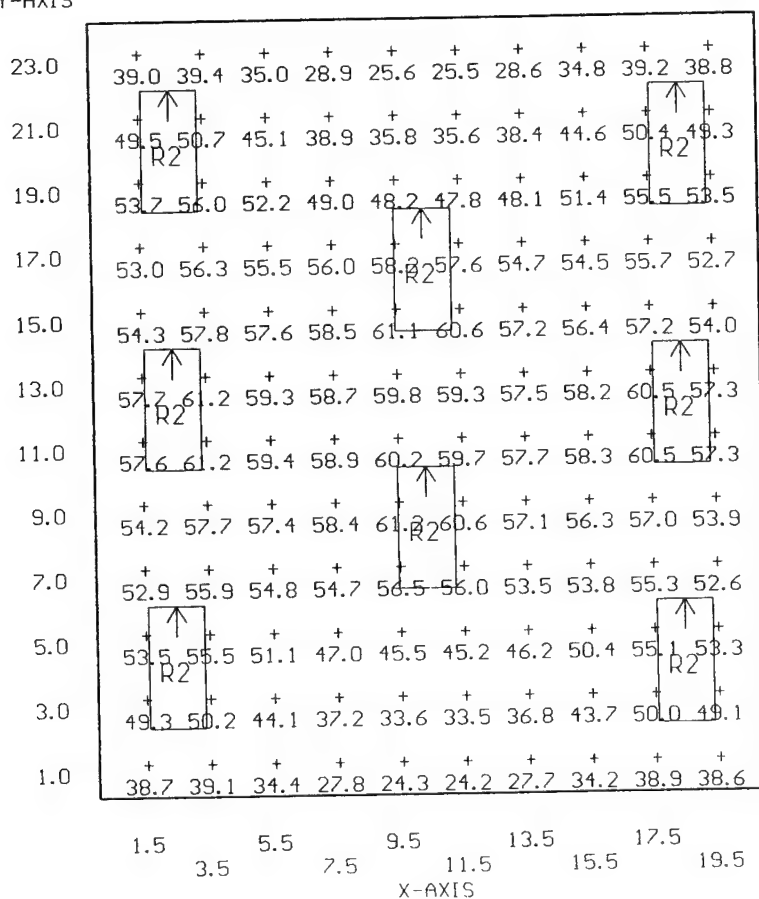Y-AXIS   CONTOUR LEVELS: A= 20.0 B= 15.0 C= 10.0 D= 5.00

X-AXIS
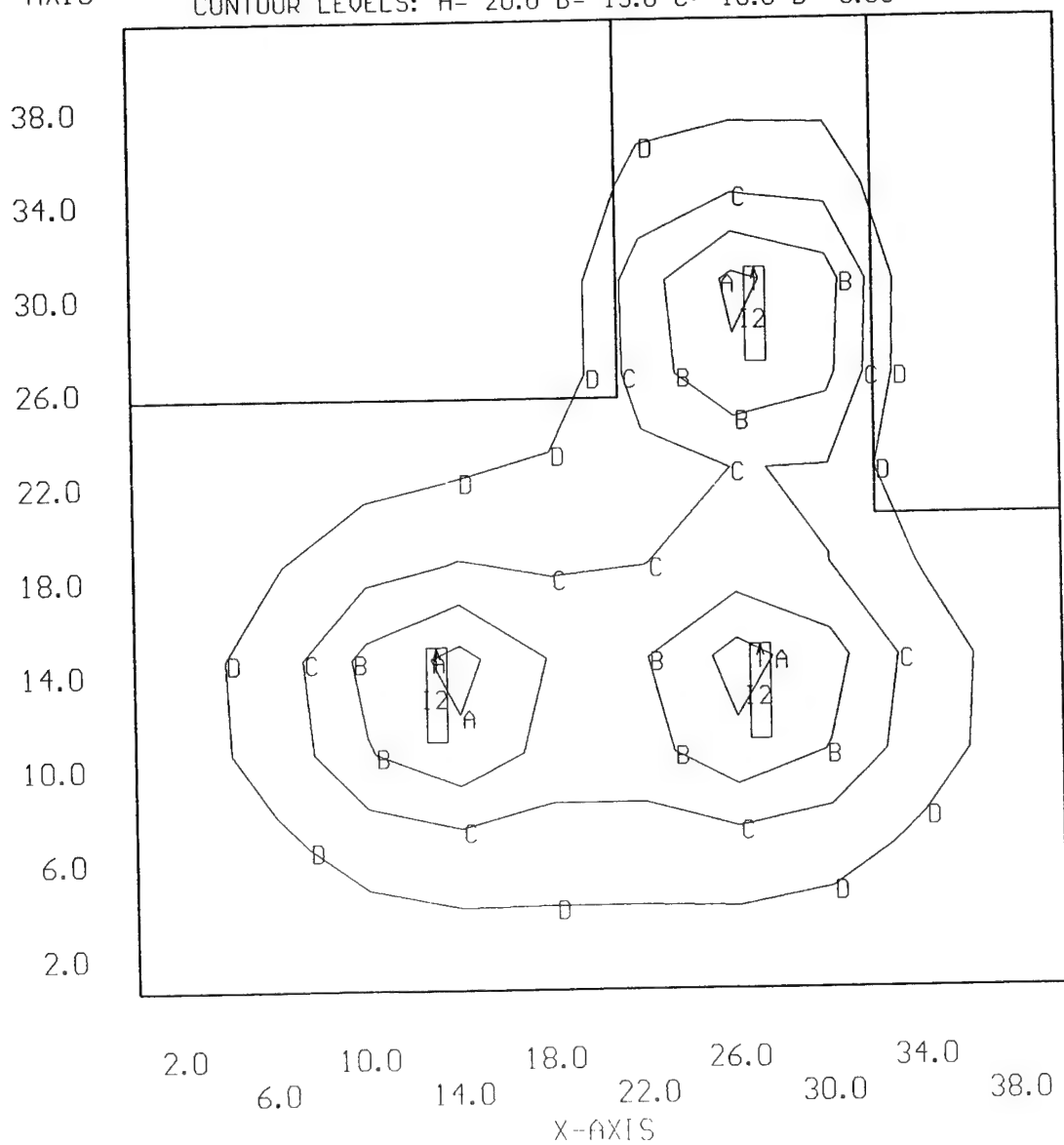
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:35 8-Feb-95
PROJECT: 34-120   AREA: BREAKROOM   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.6   MAX=53.7   AVE=38.7   AVE/MIN=   1.71 MAX/MIN=   2.38

R3 <3> = K7965 COLUMBIA 2SG240-EXA.125NOM, (2) F40CW, LLF= 0.68

Y-AXIS

Y						
15.0	+22.6	+33.7	+45.2	+45.2	+33.7	+22.6
13.0	+25.9	+39.3	50.3	50.3	+39.3	+25.9
11.0	+28.3	+42.1	+52.6	+52.6	+42.1	+28.3
9.0	+28.0	+42.2	53.7	53.7	+42.2	+28.0
7.0	+28.0	+42.2	53.7	53.7	+42.2	+28.0
5.0	+28.3	+42.1	+52.6	+52.6	+42.1	+28.3
3.0	+25.9	+39.3	50.3	50.3	+39.3	+25.9
1.0	+22.6	+33.7	+45.2	+45.2	+33.7	+22.6

R3 (at 15.0, 9.0, 3.0 rows)

X-AXIS: 1.0   3.0   5.0   7.0   9.0   11.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:34 10-Mar-95
PROJECT: 34-120 AREA: BREAKROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.7   MAX=36.4   AVE=24.7   AVE/MIN=   1.80 MAX/MIN=   2.65

R8 <2> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, <2> F032/31K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:15 8-Feb-95
PROJECT: 34-120   AREA: OFFICE 3   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.4   MAX=62.5   AVE=51.6   AVE/MIN=   1.46 MAX/MIN=   1.77

R1 <4> = K7963 COLUMBIA 2SG340-EXA.125NOM, (3) F40CW, LLF= 0.68

Y-AXIS

13.5	+ 35.4	+ 47.0	+ 53.3	+ 50.2	+ 45.2	+ 45.2	+ 50.2	+ 53.3	+ 47.0	+ 35.4
11.5	+ 39.7	+ 54.5	R1 62.5	+ 59.0	+ 52.4	+ 52.4	+ 59.0	R1 62.5	+ 54.5	+ 39.7
9.5	+ 40.4	+ 55.0	+ 62.2	+ 59.9	+ 53.8	+ 53.8	+ 59.9	+ 62.2	+ 55.0	+ 40.4
7.5	+ 40.1	+ 53.6	+ 59.8	+ 58.3	+ 53.4	+ 53.4	+ 58.3	+ 59.8	+ 53.6	+ 40.1
5.5	+ 40.4	+ 55.0	+ 62.2	+ 59.9	+ 53.8	+ 53.8	+ 59.9	+ 62.2	+ 55.0	+ 40.4
3.5	+ 39.7	+ 54.5	R1 62.5	+ 59.0	+ 52.4	+ 52.4	+ 59.0	R1 62.5	+ 54.5	+ 39.7
1.5	+ 35.4	+ 47.0	+ 53.3	+ 50.2	+ 45.2	+ 45.2	+ 50.2	+ 53.3	+ 47.0	+ 35.4

```
      1.0        5.0        9.0       13.0       17.0
          3.0        7.0       11.0       15.0       19.0
```
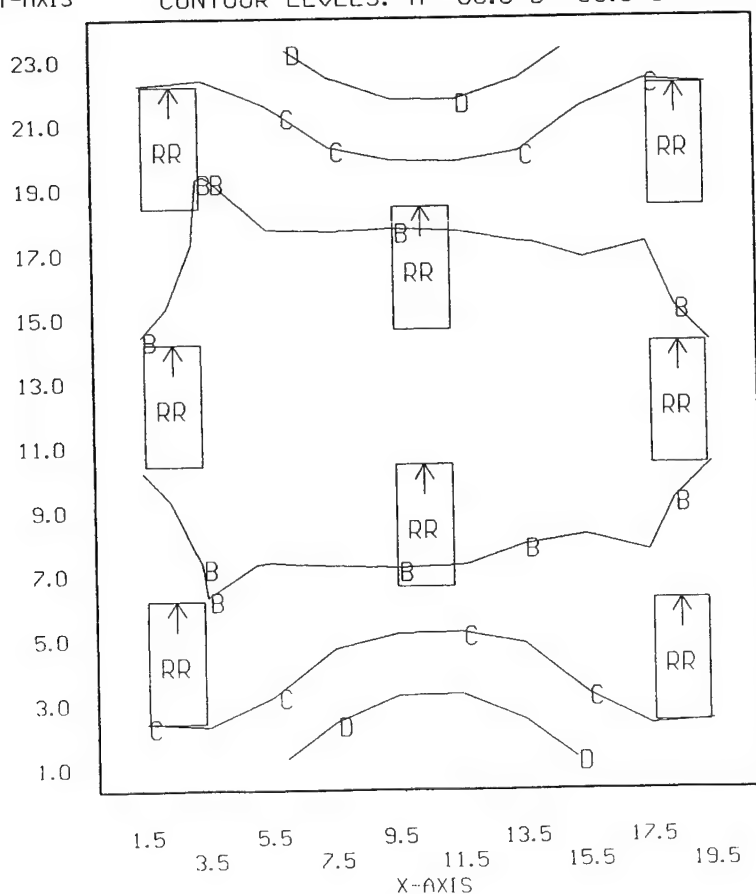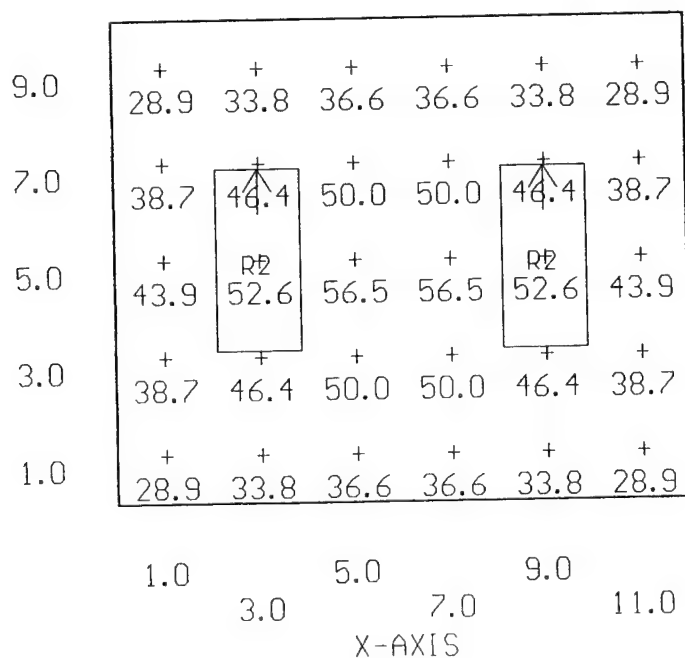
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:56 10-Mar-95
PROJECT: 34-120 AREA: OFFICE 3-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.3   MAX=52.0   AVE=38.6   AVE/MIN=   1.59 MAX/MIN=   2.14

RR <4> = T10620 METALOPTICS 24EKSO42EP11, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:19 8-Feb-95
PROJECT: 34-120 AREA: OFFICE 4 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=72.2   MAX=104.   AVE=90.1   AVE/MIN= 1.25 MAX/MIN=   1.43

R2 <6> = 9784 COLUMBIA 4PS2*-52-243, (3) F40CW/RS/WM, LLF= 0.63

Y-AXIS

```
        +      +      +      +
19.0  72.2  81.0  81.0  72.2
        + R2  +      + R2  +
17.0  83.6  94.8  94.8  83.6

        +      +      +      +
15.0  87.0  98.9  98.9  87.0

        +      +      +      +
13.0  88.4  100.  100.  88.4
          ↑            ↑
11.0  91.1  104.  104.  91.1
        + R2         + R2
        +      +      +      +
 9.0  91.1  104.  104.  91.1

        +      +      +      +
 7.0  88.4  100.  100.  88.4

        +      +      +      +
 5.0  87.0  98.9  98.9  87.0
        + R2  +      + R2  +
 3.0  83.6  94.8  94.8  83.6

        +      +      +      +
 1.0  72.2  81.0  81.0  72.2
```

```
      1.0          5.0
           3.0          7.0
           X-AXIS
```
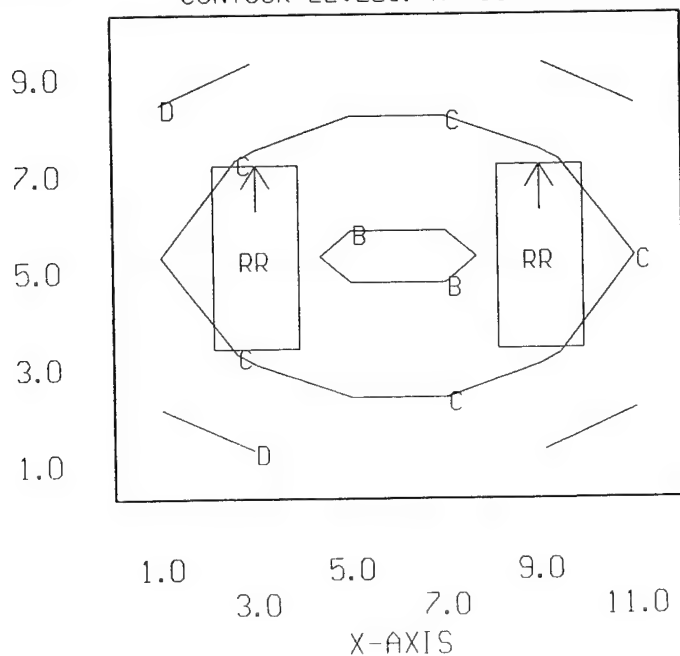
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:54 10-Mar-95
PROJECT: 34-120   AREA: OFFICE 4-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=30.0   MAX=52.2   AVE=42.1   AVE/MIN=   1.40 MAX/MIN=   1.74

R8 <3> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

X-AXIS
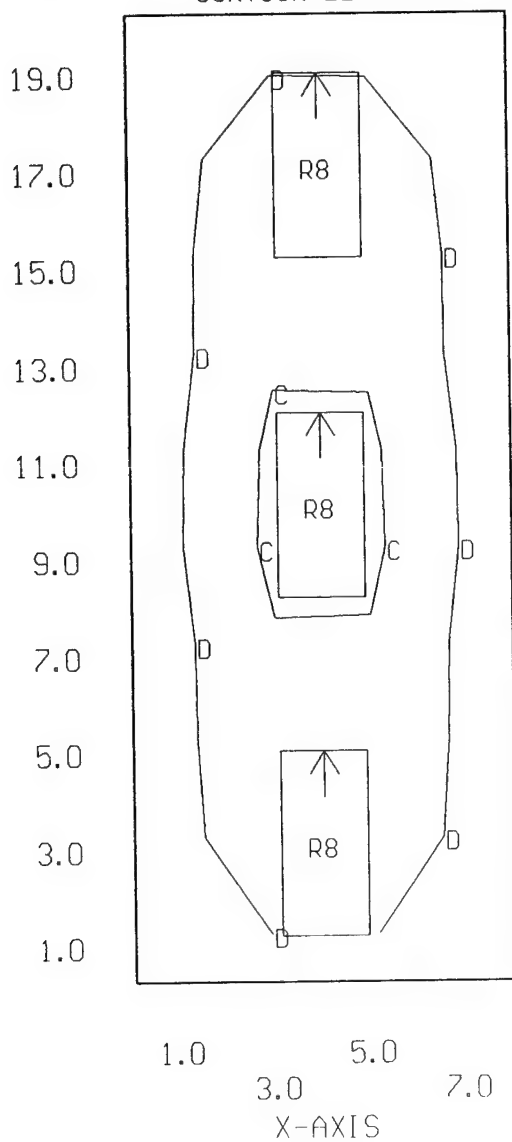
Bldg 34-140 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A1	176	2	352
C	82	9	738
C1	83	1	83
D	220	10	2,200
E	100	4	400
Totals		26	3,773

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	105	11	1,155
C8	59	10	590
CF	85	4	340
Totals		25	2,085

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-140   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: PBA Lighting Survey - Bldg. 34-140 Prepared for: CORP OF ENGINEERS Prepared by: R. SHARMA	Project #6941331 Date: 7-Feb-95 UPD: 1.8W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A1	11"X8' 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	F96T12/CW STD	000 - 176	2	
C	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW/WM STD	000 - 82	9	
C1	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW/RS/WM STD	000 - 83	1	
D	SC = 1.7 INDUSTRIAL REFLECTOR GE LIGHTING SBI15S	HR175DX39 STD	000 - 220	10	
E	6" RECESSED ROUND DOWNLIGHT OPEN- BL.BAFFLE W/ WIDE TRIM PRESCOLITE PBX-TB12	100A19/IF NA	000 - 100	4	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-140   Type: Indoor

Luminaire Fixture Schedule **/PROPOSED**

Project name: PBA Lighting Survey - Bldg. 34-140	Project #6941331
Prepared for: CORP OF ENGINEERS	Date: 10-Mar-95
Prepared by: R. SHARMA	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	11"X8' 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	FO96/735 ESB	000 - 105	11	
8	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	FO32/35K ESB	000 - 59	10	
CF	9" 3L RECESSED ROUND DOWNLIGHT OPEN - CLR.REFL. W/ BLK.BAFFLE PRESCOLITE CFR926-B782	F26DTT/27K STD	000 - 32 85	4	

NOTES: COMPACT FLUOR- REPL. 100W INCAND

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-140   Type: Indoor

Project Area Summary	
Project name: PBA Lighting Survey – Bldg. 34-140 Prepared for: CORP OF ENGINEERS Prepared by: R. SHARMA	Project #6941331 Date: 10-Mar-95 UPD: 1.4W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
OFFICE	12x15x8Ft	(2)	Type A1	2.0	1
OFFICE-N	12x15x8Ft	(2)	Type A8	1.2	1
WATER CHEM TEST	12x5x8Ft	(1) (1)	Type C Type C1	2.8	1
..ATER CHEM-N	12x5x8Ft	(1)	Type A8	1.8	1
BOILER	20x30x25Ft	(6) (2) (4)	Type C Type D Type E	2.2	1
BOILER-N	20x30x25Ft	(8) (4)	Type C8 Type CF	1.4	1
RESTROOM	10x10x10Ft	(2)	Type C	1.6	1
RESTROOM-N	10x10x10Ft	(2)	Type C8	1.2	1
COMP. RM. #1	20x30x15Ft	(4)	Type D	1.5	1
COMP. RM. #1-N	20x30x15Ft	(4)	Type A8	0.7	1
COMP. RM. #2	20x30x15Ft	(4)	Type D	1.5	1
COMP. RM. #2-N	20x30x15Ft	(4)	Type A8	0.7	1

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-140   Type: Indoor

```
-----------------------------------------------------------------------
|                   Project Calculation Summary                       |
|---------------------------------------------------------------------|
| Project name: PBA Lighting Survey - Bldg. 34-140 | Project #6941331  |
| Prepared for: CORP OF ENGINEERS                  | Date: 10-Mar-95   |
| Prepared by:  R. SHARMA                          | UPD: 1.4W/Sq.Ft   |
-----------------------------------------------------------------------
```

| AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
OFFICE	12x15x8Ft	GRID	<+>	54.5	68.7	39.3
OFFICE-N	12x15x8Ft	GRID	<+>	48.3	61.0	34.8
ATER CHEM TEST	12x5x8Ft	GRID	<+>	40.7	78.4	12.9
..ATER CHEM-N	12x5x8Ft	GRID	<+>	37.6	59.8	16.5
BOILER	20x30x25Ft	GRID	<+>	22.3	26.7	11.6
BOILER-N	20x30x25Ft	GRID	<+>	20.3	24.6	11.1
RESTROOM	10x10x10Ft	GRID	<+>	19.8	35.5	8.2
			<*>	10.9	35.5	0.0
RESTROOM-N	10x10x10Ft	GRID	<+>	21.0	37.7	8.7
			<*>	11.6	37.6	0.0
COMP. RM. #1	20x30x15Ft	GRID	<+>	25.6	44.6	7.0
COMP. RM. #1-N	20x30x15Ft	GRID	<+>	26.3	38.6	12.4
COMP. RM. #2	20x30x15Ft	GRID	<+>	25.6	44.6	7.0
COMP. RM. #2-N	20x30x15Ft	GRID	<+>	26.3	38.6	12.4

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:47 7-Feb-95
PROJECT: 34-140   AREA: OFFICE   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=39.3   MAX=68.7   AVE=54.5   AVE/MIN=   1.39 MAX/MIN=   1.75

A1 <2> = K8673 COLUMBIA CSR296-A, (2) F96T12/CW, LLF= 0.67

Y-AXIS

```
       13.5    +     +     +     +     +     +
               39.3  51.1  59.5  59.5  51.1  39.3

       11.5    +     +     + A1  +   ───────▷   +
               43.9  59.0  68.7  68.7  59.0  43.9

        9.5    +     +     +     +     +     +
               44.4  58.0  66.8  66.8  58.0  44.4

        7.5    +     +     +     +     +     +
               43.5  55.5  63.4  63.4  55.5  43.5

        5.5    +     +     +     +     +     +
               44.4  58.0  66.8  66.8  58.0  44.4

        3.5    +     +     + A1  +   ───────▷   +
               43.9  59.0  68.7  68.7  59.0  43.9

        1.5    +     +     +     +     +     +
               39.3  51.1  59.5  59.5  51.1  39.3


          1.0         5.0         9.0
               3.0          7.0          11.0
                        X-AXIS
```
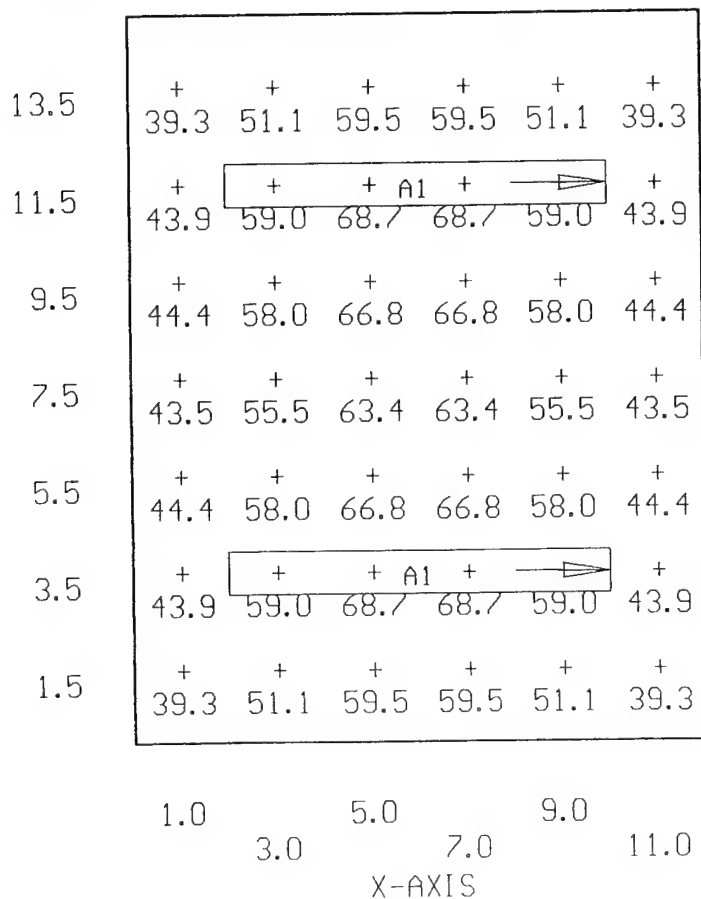
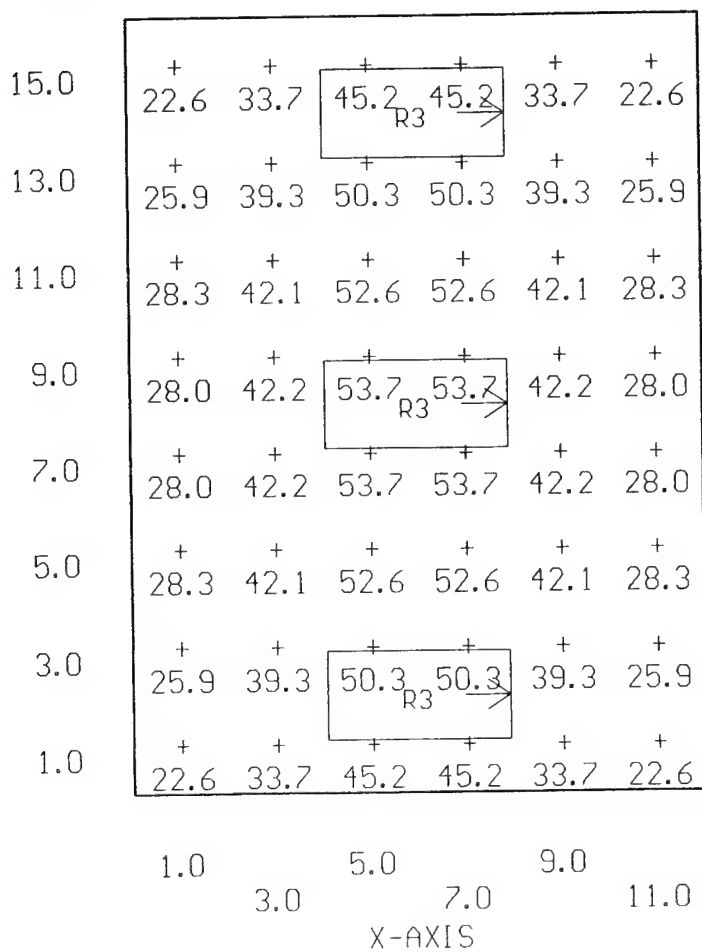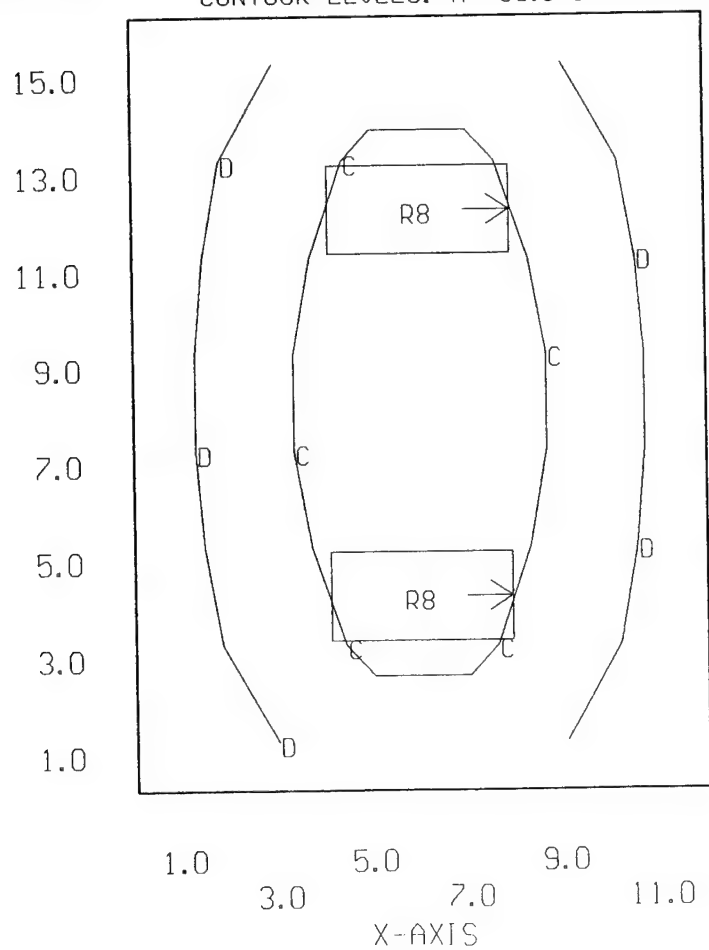USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:26 10-Mar-95
PROJECT: 34-140   AREA: OFFICE-N   GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=34.8   MAX=61.0   AVE=48.3   AVE/MIN=   1.39 MAX/MIN=   1.75

A8 <2> = K8673 COLUMBIA CSR296-A, (2) F096/735, LLF= 0.66

Y-AXIS

```
          +       +       +       +       +       +
13.5     34.8    45.4    52.8    52.8    45.4    34.8

          +      +      +  A8  +        ▷        +
11.5     39.0   52.4   61.0   61.0   52.4       39.0

          +       +       +       +       +       +
9.5      39.4    51.4    59.3    59.3    51.4    39.4

          +       +       +       +       +       +
7.5      38.6    49.3    56.2    56.2    49.3    38.6

          +       +       +       +       +       +
5.5      39.4    51.4    59.3    59.3    51.4    39.4

          +      +      +  A8  +        ▷        +
3.5      39.0   52.4   61.0   61.0   52.4       39.0

          +       +       +       +       +       +
1.5      34.8    45.4    52.8    52.8    45.4    34.8


         1.0          5.0          9.0
              3.0          7.0          11.0
                        X-AXIS
```
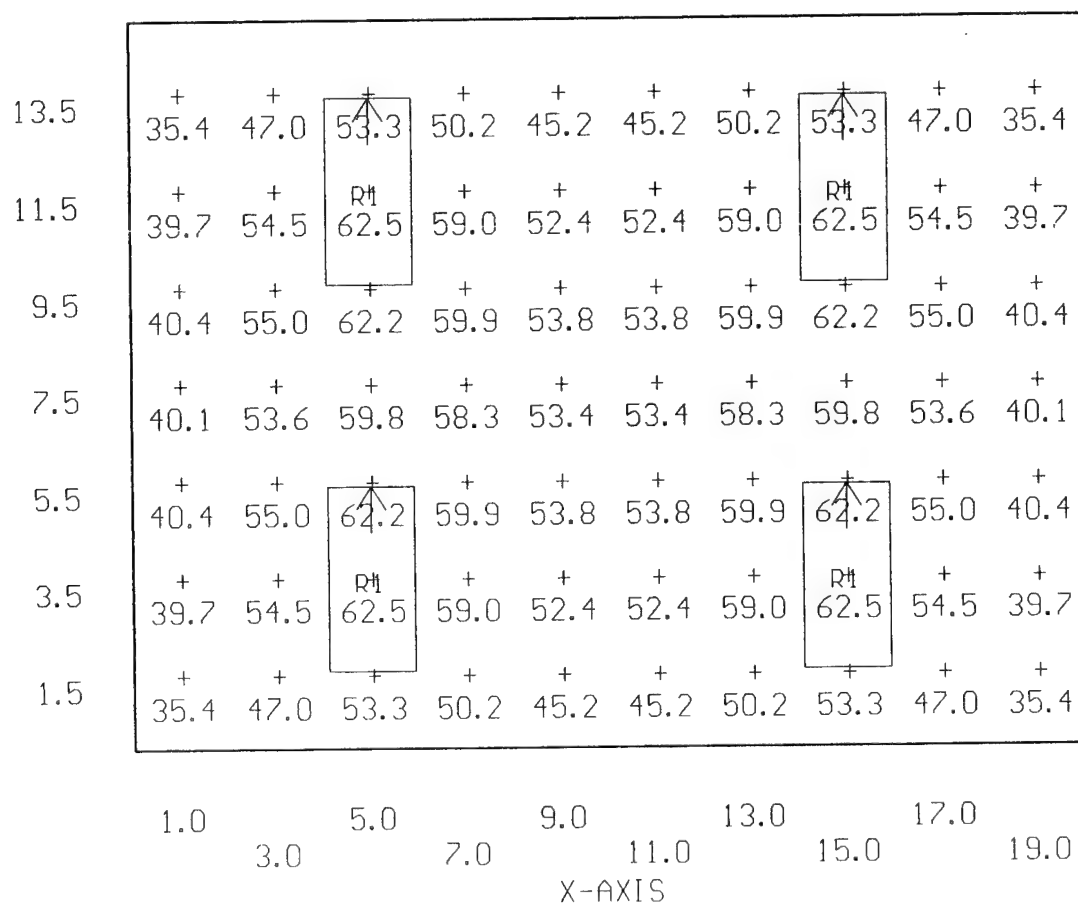
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:00 7-Feb-95
PROJECT: 34-140 AREA: WATER CHEM TEST GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.9   MAX=78.4   AVE=40.7   AVE/MIN= 3.16 MAX/MIN=   6.09

C <1> = K7990 COLUMBIA CSR240, (2) F40CW/WM, LLF= 0.68
C1 <1> = K9604 COLUMBIA WCW240-A, (2) F40CW/RS/WM, LLF= 0.68

Y-AXIS

```
4.0  +      +      +      C1      +      +
     18.0  39.4   64.1   78.4   64.1   39.4   18.0

2.0  +      +      +      C       +      +
     18.4  40.1   63.8   77.0   63.7   40.1   18.4

0.0  12.9  26.5  41.6   49.4   41.6   26.5   12.9
     0.0   2.0   4.0    6.0    8.0    10.0   12.0
                      X-AXIS
```

12.9 26.5 41.6 49.4 41.6 26.5 12.9
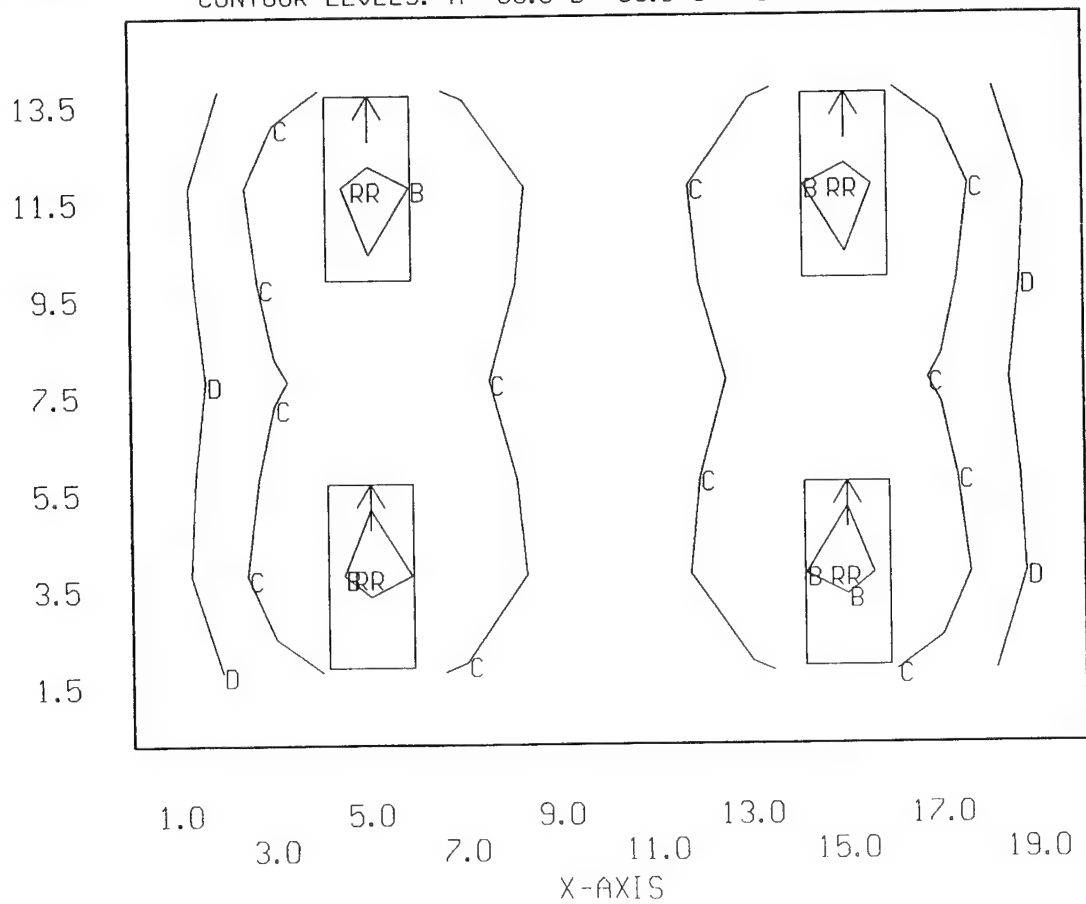0.0   2.0   4.0   6.0   8.0   10.0 12.0
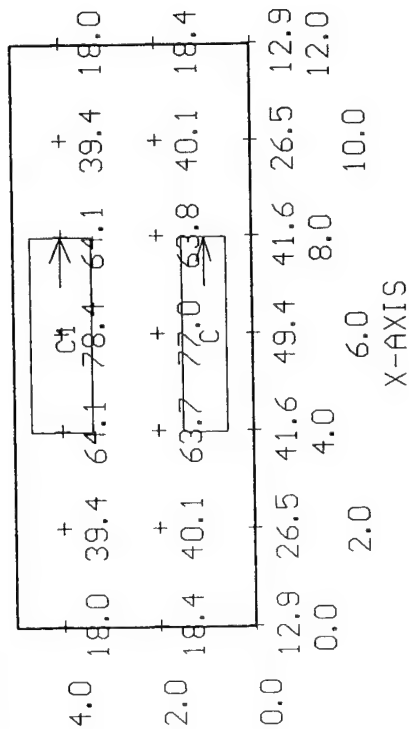
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:32 10-Mar-95
PROJECT: 34-140 AREA: WATER CHEM-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=16.5   MAX=59.8   AVE=37.6   AVE/MIN= 2.28 MAX/MIN= 3.63

A8 <1> = K8673 COLUMBIA CSR296-A, <2> F096/735, LLF= 0.66

Y-AXIS

```
4.0  22.0  40.5  51.5  56.1  51.5  40.5  22.0
                           A8
2.0  23.1  42.9  54.8  59.8  54.8  42.9  23.1

0.0  16.5  28.9  36.8  39.8  36.8  28.9  16.5
     0.0   2.0   4.0   6.0   8.0  10.0  12.0
```
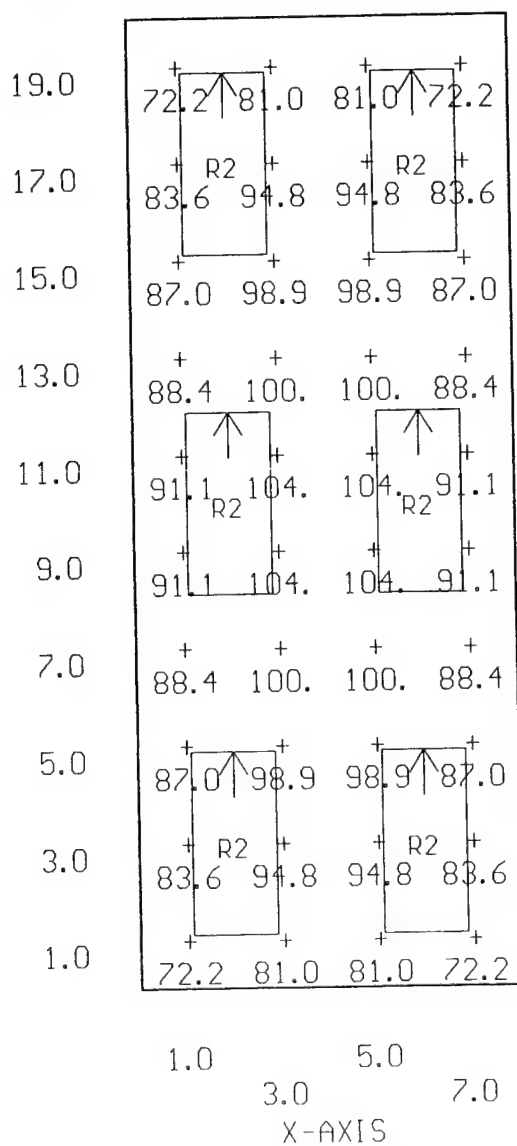
X-AXIS
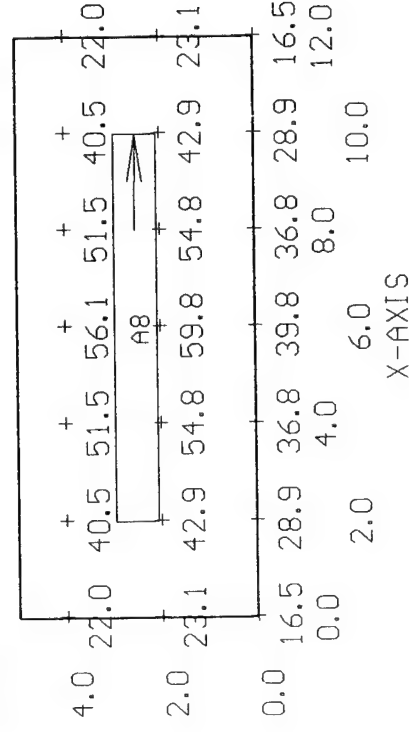
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:29 2-Feb-95
PROJECT: 34-140   AREA: BOILER   GRID: GRID
Values are FC, SCALE: 1 IN= 9.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

MIN=11.6   MAX=26.7   AVE=22.3   AVE/MIN=   1.92 MAX/MIN=   2.31

C <6> = K7990 COLUMBIA CSR240, (2) F40CW/WM, LLF= 0.68
D <2> = GE7146 GE LIGHTING SBI15S, (1) HR175DX39, LLF= 0.66
E <4> = B1401C PRESCOLITE PBX-TB12, (1) 100A19/IF, LLF= 0.76

```
Y-AXIS
30.0 11.6  15.1  16.5  17.5  18.1  18.3  18.1  17.5  16.5  15.1  11.6

28.0 14.8  20.4  20.8  21.9  22.4  23.5  22.4  22.9  20.8  20.4  14.8

26.0 15.8  21.7  23.2  24.1  24.4  24.5  24.4  24.1  23.2  21.7  15.8

24.0 16.7  22.7  24.1  24.9  25.2  25.2  25.2  24.9  24.1  22.7  16.7

22.0 17.2  23.2  24.5  25.3  25.6  25.5  25.6  25.3  24.5  23.2  17.2

20.0 17.5  23.4  24.9  25.6  25.9  25.9  25.9  25.6  24.9  23.4  17.5

18.0 17.6  23.6  25.0  25.8  26.3  26.4  26.3  25.8  25.0  23.6  17.6

16.0 17.7  23.8  25.3  26.2  26.5  26.6  26.5  26.2  25.3  23.8  17.7

14.0 17.7  23.8  25.4  26.3  26.7  26.7  26.7  26.3  25.4  23.8  17.7

12.0 17.7  23.8  25.2  26.1  26.5  26.6  26.5  26.1  25.2  23.8  17.7

10.0 17.6  23.7  25.0  25.8  26.3  26.3  26.3  25.8  25.0  23.7  17.6

8.0  17.4  23.5  24.9  25.6  26.0  26.6  26.0  25.6  24.9  23.5  17.4

6.0  17.0  23.1  24.5  25.3  25.6  25.6  25.6  25.3  24.5  23.1  17.0

4.0  16.3  22.4  23.7  24.6  25.0  25.0  25.0  24.6  23.7  22.4  16.3

2.0  15.3  21.1  22.6  23.5  24.0  24.1  24.0  23.5  22.6  21.1  15.3

0.0  12.1  15.8  17.2  18.1  18.7  18.9  18.7  18.1  17.2  15.8  12.1
     0.0        4.0        8.0        12.0       16.0       20.0
          2.0        6.0        10.0       14.0       18.0
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:47 10-Mar-95
PROJECT: 34-140 AREA: BOILER-N GRID: GRID
Values are FC, SCALE: 1 IN= 9.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.1   MAX=24.6   AVE=20.3   AVE/MIN= 1.84 MAX/MIN= 2.22

C8 <8> = K7990 COLUMBIA CSR240, (2) FO32/35K, LLF= 0.66
CF <4> = B2339B PRESCOLITE CFR926-B782, (3) F26DTT/27K, LLF= 0.50

```
Y-AXIS
30.0  11.1  14.3  15.4  16.3  16.8  17.0  16.8  16.3  15.4  14.3  11.1
28.0  11.8  18.9  20.8  21.2  21.9  22.0  21.9  21.2  20.8  18.9  11.8
26.0  14.4  19.7  21.0  22.1  22.8  23.1  22.8  22.1  21.0  19.7  14.4
24.0  14.9  20.2  21.7  22.8  23.5  23.8  23.5  22.8  21.7  20.2  14.9
22.0  15.2  20.6  22.0  23.2  23.9  24.3  23.9  23.2  22.0  20.6  15.2
20.0  15.4  20.7  22.2  23.3  24.1  24.3  24.1  23.3  22.2  20.7  15.4
18.0  15.5  20.9  22.3  23.4  24.2  24.4  24.2  23.4  22.3  20.9  15.5
16.0  15.6  20.9  22.4  23.5  24.2  24.5  24.2  23.5  22.4  20.9  15.6
14.0  15.6  21.0  22.4  23.5  24.2  24.5  24.2  23.5  22.4  21.0  15.6
12.0  15.6  21.0  22.4  23.6  24.3  24.6  24.3  23.6  22.4  21.0  15.6
10.0  15.5  20.9  22.4  23.6  24.3  24.6  24.3  23.6  22.4  20.9  15.5
 8.0  15.4  20.8  22.3  23.5  24.3  24.5  24.3  23.5  22.3  20.8  15.4
 6.0  15.1  20.6  22.0  23.2  23.9  24.2  23.9  23.2  22.1  20.6  15.1
 4.0  14.7  20.1  21.5  22.6  23.3  23.6  23.3  22.6  21.5  20.1  14.7
 2.0  11.1  19.4  20.7  21.8  22.4  22.6  22.4  21.8  20.7  19.4  11.1
 0.0  11.4  14.7  15.9  16.8  17.4  17.6  16.8  15.9  14.7  11.4
      0.0   2.0   4.0   6.0   8.0  10.0  12.0  14.0  16.0  18.0  20.0
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:52 2-Feb-95
PROJECT: 34-140   AREA: RESTROOM   GRID: GRID
`alues are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

```
+ MIN=8.22     MAX=35.5     AVE=19.8     AVE/MIN=   2.41 MAX/MIN=   4.32
* MIN=0.00     MAX=35.5     AVE=10.9     AVE/MIN=N/A MAX/MIN=N/A
```

C <2> = K7990 COLUMBIA CSR240, (2) F40CW/WM, LLF= 0.68

Y-AXIS

```
10.0  9.69   14.8   16.8   16.8   12.5  8.22

            +      +      +      +
8.0  14.5   23.6   27.2   27.1   19.7  12.0

            +      +      +      +
6.0  13.4   27.5 | 32.0 C 32.4 →| 22.0  13.2

            +      +      +      +
4.0  10.4   22.2   35.2   35.5   17.7  10.5

       *      *      *      *      *      *
2.0  0.00   24.2 | 35.1 C 35.5 →| 20.2  0.00

       *      *      *      *      *      *
0.0  9.11   0.00   0.00   0.00   0.00  7.23
     0.0           4.0           8.0
            2.0           6.0          10.0
                    X-AXIS
```
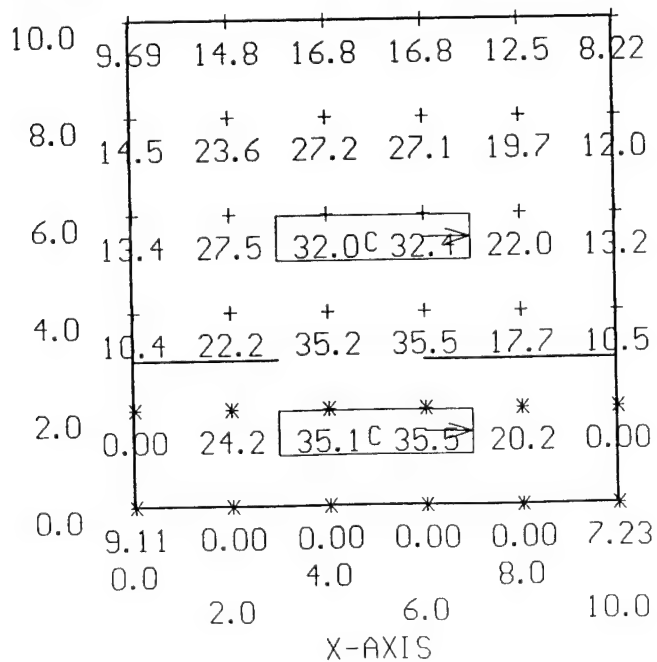
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:42 10-Mar-95
PROJECT: 34-140 AREA: RESTROOM-N GRID: GRID
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.71   MAX=37.7   AVE=21.0   AVE/MIN= 2.41 MAX/MIN= 4.32
* MIN=0.00   MAX=37.6   AVE=11.6   AVE/MIN=N/A MAX/MIN=N/A

C8 <2> = K7990 COLUMBIA CSR240, <2> F032/35K, LLF= 0.66

Y-AXIS

```
10.0  10.3  15.7  17.8  17.8  13.2   8.71
        +     +     +     +     +
 8.0  15.4  25.0  28.8  28.7  20.8  12.8
        +     +     +     +     +
 6.0  14.2  29.2  33.9 38.4  23.4  14.0
        +     +     +     +     +
 4.0  11.1  23.6  37.4  37.7  18.8  11.1
        *     *                      *
 2.0   0.00 25.6  37.2 38.7 6  21.4   0.00
        *     *     *     *     *     *
 0.0   9.66  0.00  0.00  0.00  0.00  7.67
        0.0   2.0   4.0   6.0   8.0  10.0
                     X-AXIS
```
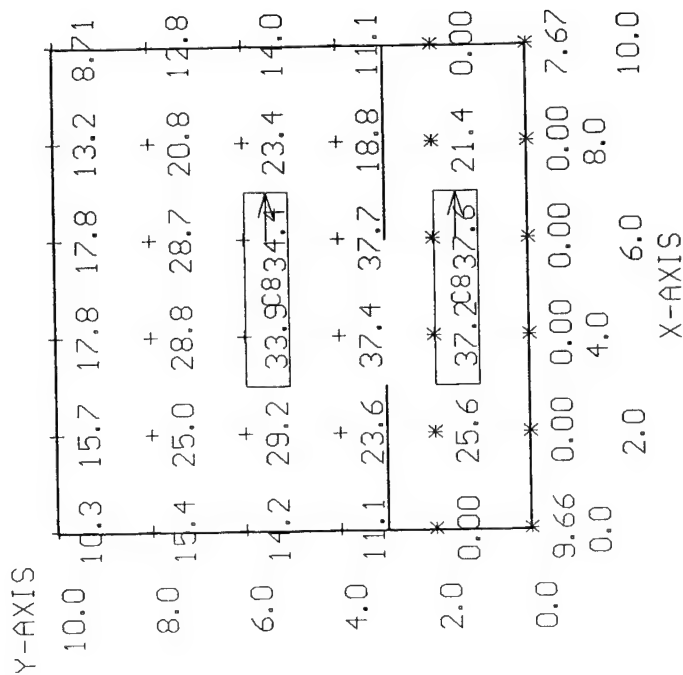
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:40 2-Feb-95
PROJECT: 34-140   AREA: COMP. RM #1   GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.96   MAX=44.6   AVE=25.6   AVE/MIN=   3.69 MAX/MIN=   6.41

D ⟨4⟩ = GE7146 GE LIGHTING SBI15S, (1) HR175DX39, LLF= 0.66

```
Y-AXIS
30.0 12.3 19.3 23.6 25.3 24.8 24.3 24.8 25.3 23.6 19.3 12.3
28.0 19.0 30.2 34.1 36.5 38.2 37.5 38.2 36.5 34.1 30.2 19.0
26.0 22.6 33.1 33.1 36.0 42.8 44.6 42.8 36.0 33.1 33.1 22.6
24.0 22.5 32.8 32.9 35.9 42.6 44.4 42.6 35.9 32.9 32.8 22.5
22.0 18.8 29.3 33.5 36.0 37.8 37.1 37.8 36.0 33.5 29.3 18.8
20.0 13.7 21.3 26.0 27.8 27.4 27.0 27.4 27.8 26.0 21.3 13.7
18.0 9.37 14.5 17.2 18.4 18.4 18.3 18.4 18.4 17.2 14.5 9.37
16.0 6.96 10.8 12.6 13.4 13.6 13.5 13.6 13.4 12.6 10.8 6.96
14.0 6.96 10.8 12.6 13.4 13.6 13.5 13.6 13.4 12.6 10.8 6.96
12.0 9.37 14.5 17.2 18.4 18.4 18.3 18.4 18.4 17.2 14.5 9.37
10.0 13.7 21.3 26.0 27.8 27.4 27.0 27.4 27.8 26.0 21.3 13.7
 8.0 18.8 29.3 33.5 36.0 37.8 37.1 37.8 36.0 33.5 29.3 18.8
 6.0 22.5 32.8 32.9 35.9 42.6 44.4 42.6 35.9 32.9 32.8 22.5
 4.0 22.6 33.1 33.1 36.0 42.8 44.6 42.8 36.0 33.1 33.1 22.6
 2.0 19.0 30.2 34.1 36.5 38.2 37.5 38.2 36.5 34.1 30.2 19.0
 0.0 12.3 19.3 23.6 25.3 24.8 24.3 24.8 25.3 23.6 19.3 12.3
     0.0      4.0      8.0     12.0     16.0     20.0
        2.0      6.0     10.0     14.0     18.0
                      X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:51 10-Mar-95
PROJECT: 34-140 AREA: COMP. RM. #1-N GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4   MAX=38.6   AVE=26.3   AVE/MIN=   2.13 MAX/MIN=   3.12

A8 <4> = K8673 COLUMBIA CSR296-A, <2> F096/735, LLF= 0.66

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:44 2-Feb-95
PROJECT: 34-140   AREA: COMP. RM. #2   GRID: GRID
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.96   MAX=44.6   AVE=25.6   AVE/MIN=   3.69 MAX/MIN=   6.41

D <4> = GE7146 GE LIGHTING SBI15S, (1) HR175DX39, LLF= 0.66

```
Y-AXIS
30.0 12.3 19.3 23.6 25.3 24.8 24.3 24.8 25.3 23.6 19.3 12.3

28.0 19.0 30.2 34.1 36.5 38.2 37.5 38.2 36.5 34.1 30.2 19.0

26.0 22.6 33.1 33.0 36.0 42.8 44.6 42.8 36.0 33.1 33.1 22.6

24.0 22.5 32.8 32.9 35.9 42.6 44.4 42.6 35.9 32.9 32.8 22.5

22.0 18.8 29.3 33.5 36.0 37.8 37.1 37.8 36.0 33.5 29.3 18.8

20.0 13.7 21.3 26.0 27.8 27.4 27.0 27.4 27.8 26.0 21.3 13.7

18.0 9.37 14.5 17.2 18.4 18.4 18.3 18.4 18.4 17.2 14.5 9.37

16.0 6.96 10.8 12.6 13.4 13.6 13.5 13.6 13.4 12.6 10.8 6.96

14.0 6.96 10.8 12.6 13.4 13.6 13.5 13.6 13.4 12.6 10.8 6.96

12.0 9.37 14.5 17.2 18.4 18.4 18.3 18.4 18.4 17.2 14.5 9.37

10.0 13.7 21.3 26.0 27.8 27.4 27.0 27.4 27.8 26.0 21.3 13.7

8.0 18.8 29.3 33.5 36.0 37.8 37.1 37.8 36.0 33.5 29.3 18.8

6.0 22.5 32.8 32.9 35.9 42.6 44.4 42.6 35.9 32.9 32.8 22.5

4.0 22.6 33.1 33.1 36.0 42.8 44.6 42.8 36.0 33.1 33.1 22.6

2.0 19.0 30.2 34.1 36.5 38.2 37.5 38.2 36.5 34.1 30.2 19.0

0.0 12.3 19.3 23.6 25.3 24.8 24.3 24.8 25.3 23.6 19.3 12.3
     0.0      4.0      8.0      12.0      16.0      20.0
         2.0      6.0      10.0      14.0      18.0
                      X-AXIS
```
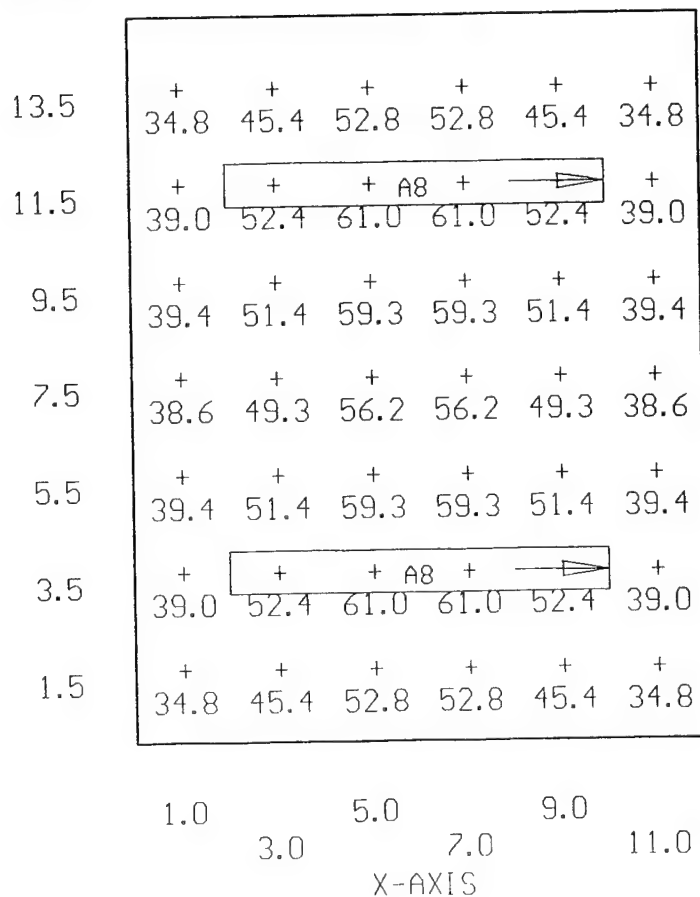
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:56 10-Mar-95
PROJECT: 34-140 AREA: COMP. RM. #2-N GRID: GRID
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=12.4   MAX=38.6   AVE=26.3   AVE/MIN= 2.13 MAX/MIN= 3.12

48 <4> = K8673 COLUMBIA CSR296-A, (2) F096/735, LLF= 0.66

Y-AXIS

30.0	19.0 22.1	23.6 23.4 23.1 23.4 23.6 22.1 19.0 13.0
28.0	18.1 27.9 32.4	34.3 33.0 33.6 34.3 32.4 27.9 18.1
26.0	20.0 30.9 36.4	38.5 37.5 36.5 37.6 38.4 36.4 30.9 20.0
24.0	20.2 30.9 36.5	38.6 37.6 37.6 38.6 36.5 30.9 20.2
22.0	18.6 27.9 32.7	34.7 34.1 33.5 34.1 32.7 27.9 18.6
20.0	14.1 23.6 27.0 28.7	28.4 28.7 27.0 23.6 14.1
18.0	13.7 19.7 21.9	23.3 23.8 23.3 21.9 19.7 13.7
16.0	12.4 17.6 19.2	20.4 21.0 20.4 19.2 17.6 12.4
14.0	12.4 17.6 19.2	20.4 21.0 20.4 19.2 17.6 12.4
12.0	13.7 19.7 21.9	23.3 23.8 23.3 21.9 19.7 13.7
10.0	14.1 23.6 27.0 28.7	28.7 27.0 23.6 14.1
8.0	18.6 27.9 32.7 34.7	34.1 33.5 34.1 32.7 27.9 18.6
6.0	20.2 30.9 36.5 38.6	37.6 36.7 37.6 36.5 30.9 20.2
4.0	20.0 30.9 36.4	38.5 37.5 36.5 37.5 38.5 36.4 30.9 20.0
2.0	18.1 27.9 32.4	34.3 33.0 33.6 34.3 32.4 27.9 18.1
0.0	13.0 19.0 22.1 23.6 23.4 23.1 23.4 23.6 22.1 19.0 13.0	20.0
	0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0	

X-AXIS

Bldg 34-910 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A	96	43	4,128
B	192	44	8,448
B1	171	6	1,026
C	346	179	61,934
C1	171	8	1,368
C2	246	4	984
C3	123	35	4,305
D	300	8	2,400
E	200	6	1,200
F	166	52	8,632
G	84	16	1,344
H	138	1	138
J	96	4	384
J1	164	2	328
J2	158	1	158
K	96	4	384
K1	192	1	192
K2	276	1	276
L	192	47	9,024
L1	96	11	1,056
L2	153	3	459
L3	72	3	216
L4	115	2	230
M	276	11	3,036
M1	192	1	192
M2	192	2	384
M3	192	10	1,920
S	171	2	342
Totals		507	114,488

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A8	59	56	3,304
AR	34	14	476
B8	110	11	1,210
C8	105	219	22,995
E	200	6	1,200
G8	59	62	3,658
H	138	1	138
I1	31	2	62
I8	60	28	1,680
L8	60	72	4,320
LR	57	9	513
M8	105	12	1,260
MH	130	8	1,040
Totals		500	41,856

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: Lighting Survey Prepared for: Corps of Engineers Prepared by: C. Warren	Project #6941331 Date: 29-Dec-94 UPD: 2.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW STD	000 - 96	43	
	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	F40CW STD	000 - 192	44	
C	8'4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP496	F96T12/CW STD	000 - 346	3	
C1	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	F96T12/CW STD	000 - 173	2	
C2	8'4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP496	F96T12/CW/WM ESB	000 - 246	4	
C3	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	F96T12/CW/WM ESB	000 - 123	3	
D	8" RECESSED ROUND DOWNLIGHT OPEN ELLIPSOIDAL W/ BLK.BAFFLE PRESCOLITE 1059-732	300M/IF NA	000 - 300	8	
E	6" RECESSED ROUND DOWNLIGHT OPEN- ELLIPSOIDAL W/BLK.BAFFLE PRESCOLITE 1058-730	200A23/IF NA	000 - 200	6	
F	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 166	40	

	LENS-PRISMATIC ACRYLIC PATT-12 COLUMBIA 4PS2*-52-242	ESB	− 84	
H	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	F96T12/CW/WM STD	000 − 138	1
J	7"X4' 2L WET LOCATION WRAP LENS- PRISMATIC BOTTOM & SIDES COLUMBIA LUN240-WL	F40CW STD	000 − 96	4
K	11"X4' 2L APERTURED INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-A	F40CW STD	000 − 96	1
K1	1X4 4L APERTURED INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL496	F40CW STD	000 − 192	1
K2	1X4 4L APERTURED INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL496	F96T12/CW/WM STD	000 − 276	1
L	1X4 4L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL440-SOLID	F40CW STD	000 − 192	33
L1	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW STD	000 − 96	11
L2	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	F40CW STD	000 − 153	3
L3	11"X4' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR240	F40CW/RS/WM ESB	000 − 72	3
L4	1X4 3L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL340-SOLID	F40CW/RS/WM ESB	000 − 115	2
M	9"X8' 4L SURFACE TURRET STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA K496-T	F96T12/CW/WM STD	000 − 276	11
M1	9"X4' 4L SURFACE TURRET STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA K440-T	F40CW STD	000 − 192	1
2	9"X4' 4L SM HSG SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CH440	F40CW STD	000 − 192	2

34-910-1 Schedule

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910-1   Type: Indoor

Luminaire Fixture Schedule /PRESENT

Project name: Lighting Survey Prepared for: Corps of Engineers Prepared by: C. Warren	Project #6941331 Date: 13-Feb-95 UPD: 2.3W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
B1	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	F40CW ESB	000 - 171	6	
C	8'4L APER.PORCELAIN INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA KP496	F96T12/CW STD	000 - 346	176	
C1	1X8 2L APERTURED INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KP296	F96T12/CW STD	000 - 171	6	
C3	1X8 2L APERTURED INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KP296	F96T12/CW/WM ESB	000 - 123	32	
F	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 166	12	
J1	8"X8'4L(TANDEM) DAMP LOCA.WRAP LENS- IMPACT RESISTANT ACRYLIC COLUMBIA LU240-8-DMR	F40CW ESB	000 - 164	2	
J2	7"X5"X8' 2L WET LOCATION WRAP LENS- IMPACT RESISTANT ACRYLIC COLUMBIA LU296-WL	F96T12/CW ESB	000 - 158	1	
K	11"X4' 2L APERTURED INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-A	F40CW STD	000 - 96	3	
L	1X4 4L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA KL440-SOLID	F40CW STD	000 - 192	14	
M3	9"X4' 4L SURFACE TURRET STRIP	F40CW	000	10	

34-910-1 Schedule

	EGGCRATE LOUVERS COLUMBIA K440-T	STD	- 192		
S	ACRYLIC TYPE V GE LIGHTING SAM15S	LU-150 STD	000 - 171	2	

NOTES:

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Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 15-Mar-95
Prepared by: C. Warren	UPD: 1.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	35	
8	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	FO32/35K EOCT	000 - 110	8	
E	6" RECESSED ROUND DOWNLIGHT OPEN- ELLIPSOIDAL W/BLK.BAFFLE PRESCOLITE 1058-730	200A23/IF NA	000 - 200	6	
G8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	46	
H	4"X8'2L EMBOSSED SURFACE STRIP OPEN BOTTOM- NO SHIELDING COLUMBIA CS296	F96T12/CW/WM STD	000 - 138	1	
I8	1X4 2L SPEC.REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA CSR240-SPREF-EOCT	FO32/35K EOCT	000 - 60	28	
MH	SC = 1.6 100 WATT MAXIMUM COLUMBIA SBI10M	M-100 STD	000 - 130	8	

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Luminaire Fixture Schedule
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Filename: 34-910A   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 16-Mar-95
Prepared by: C. Warren	UPD: 0.7W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	17	
8	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	FO96/735 EOCT	000 - 105	5	
G8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	4	
I1	1X4 1L SOLID REFL.INDUSTRIAL OPEN - NO SHIELDING COLUMBIA CSR140-PAF-EOCT	FO32/35K EOCT	000 - 31	2	
L8	1X4 2L SOLID REFL.INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-PAF-EOCT	FO32/35K EOCT	000 - 60	51	
LR	4' OPEN INDUSTRIAL SILVER TASK BEAM REFLECTOR METALOPTICS ISS0FSFTTSO42EP11	FO32/35K EOCT	000 - 57	9	
M8	11"X8' 2L APERTURED INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296-A	FO96/735 EOCT	000 - 105	12	

NOTES:

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Luminaire Fixture Schedule
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Filename: 34-910-1   Type: Indoor

Luminaire Fixture Schedule /PROPOSED

Project name: Lighting Survey
Prepared for: Corps of Engineers
Prepared by: C. Warren

Project #6941331
Date: 16-Mar-95
UPD: 0.8W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	4	
R	4' ACRYLIC LENSED WRAPAROUND SILVER TASK BEAM REFLECTOR METALOPTICS WRSN4STACLO42EP11	FO32/35K EOCT	000 - 61	14	
B8	15"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW440-A	FO32/35K EOCT	000 - 110	3	
C8	11"X8' 2L INDUSTRIAL OPEN BOTTOM- NO SHIELDING COLUMBIA CSR296	FO96/735 EOCT	000 - 105	214	
G8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	12	
L8	1X4 2L SOLID REFL.INDUSTRIAL OPEN- NO SHIELDING COLUMBIA CSR240-PAF-EOCT	FO32/35K EOCT	000 - 60	21	

NOTES:

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Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910   Type: Indoor

Project Area Summary	
Project name: Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 15-Mar-95
Prepared by: C. Warren	UPD: 1.7W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
CHANGE ROOM 2	32x40x12Ft	(15)	Type A	1.1	1
CHANGE ROOM 2-N	32x40x12Ft	(15)	Type A8	0.7	1
CHANGE ROOM 1	20x30x12Ft	(7)	Type A	1.1	1
ANGE ROOM 1-N	20x30x12Ft	(7)	Type A8	0.7	1
PAINT SHOP	32x40x32Ft	(8) (6)	Type D Type E	2.8	1
PAINT SHOP-N	32x40x32Ft	(6) (8)	Type E Type MH	1.8	1
SIGN SHOP	30x33x10Ft	(22)	Type B	4.3	1
SIGN SHOP-N	30x33x10Ft	(18)	Type I8	1.1	1
ENTOMOLOGY	15x17x10Ft	(2)	Type C	2.7	1
ENTOMOLOGY-N	15x17x10Ft	(6)	Type I8	1.4	1
PAINT OFFICE	15x17x10Ft	(4)	Type B	3.0	1
PAINT OFFICE-N	15x17x10Ft	(4)	Type I8	0.9	1
TOILET #2	32x20x12Ft	(8)	Type A	1.2	1
TOILET #2-N	32x20x12Ft	(8)	Type A8	0.7	1
TOILET #1	20x20x12Ft	(4)	Type A	1.0	1
JILET #1-N	20x20x12Ft	(4)	Type A8	0.6	1
PM CONFERENCE	13x16x8Ft	(4)	Type F	3.2	1
PM CONFERENCE-N	13x16x8Ft	(4)	Type G8	1.1	1

PM HALL	6x16x8Ft	(2)	Type F	3.5	1
PM HALL-N	6x16x8Ft	(1)	Type G8	0.6	1
PM OFFICE 1	11x16x8Ft	(4)	Type F	3.8	1
PM OFFICE 1-N	11x16x8Ft	(4)	Type G8	1.3	1
PM OFFICE 2	11x16x8Ft	(4)	Type F	3.8	1
PM OFFICE 2-N	11x16x8Ft	(4)	Type G8	1.3	1
PM OFFICE 3	15x12x8Ft	(4)	Type F	3.8	1
PM OFFICE 3-N	15x12x8Ft	(4)	Type G8	1.4	1
WO CENTRAL	25x27x12Ft	(6)	Type B	1.7	1
WO CENTRAL-N	25x27x12Ft	(6)	Type B8	1.0	1
WO CENTRAL ADD	8x16x12Ft	(2)	Type B	3.0	1
WO CNTRAL ADD-N	8x16x12Ft	(2)	Type B8	1.7	1
OFFICES 1&2	10x10x8Ft	(2)	Type G	1.7	2
WO OFFCES 1&2-N	10x10x8Ft	(2)	Type G8	1.2	2
WO HALL	10x4x9Ft	(1)	Type A	2.7	1
WO HALL-N	10x4x9Ft	(1)	Type A8	1.7	1
WO OFFICE 3	10x18x8Ft	(4)	Type G	1.9	1
WO OFFICE 3-N	10x18x8Ft	(4)	Type G8	1.3	1
WO COPY ROOM	13x17x9Ft	(2)	Type F	1.6	1
WO COPY ROOM-N	13x17x9Ft	(2)	Type G8	0.6	1
WO STORAGE	8x16x10Ft	(1)	Type H	1.1	1
WO BREAK ROOM	16x20x8Ft	(6)	Type F	3.1	1
WO BREAK ROOM-N	16x20x8Ft	(4)	Type G8	0.7	1
WO SECRETARY	14x36x8Ft	(8)	Type F	2.6	1
WO SECRETARY-N	14x36x8Ft	(8)	Type G8	0.9	1
O SEC. ALCOVE	7x16x8Ft	(2)	Type F	3.0	1
SEC. ALCOVE-N	7x16x8Ft	(2)	Type G8	1.1	1
WO MICROFICHE	20x15x8Ft	(6)	Type G	1.7	1

910 Areas

CROFICHE-N	20x15x8Ft	(4)	Type G8	0.8	1
WO MIC STORAGE	10x15x8Ft	(2)	Type G	1.1	1
MIC STORAGE-N	10x15x8Ft	(1)	Type G8	0.4	1

NOTES:

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Jacksonville, FL 32256
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Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910A   Type: Indoor

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|                        Project Area Summary                          |
|----------------------------------------------------------------------|
| Project name: Lighting Survey          | Project #6941331            |
| Prepared for: Corps of Engineers       | Date: 16-Mar-95             |
| Prepared by:  C. Warren                | UPD: 1.2W/Sq.Ft             |
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AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
UTILITIES BREAK	12x14x8Ft	(4)	Type B	4.6	1
UTIL. BREAK-N	12x14x8Ft	(2)	Type A8	0.7	1
UTIL KITCHEN	12x6x8Ft	(2)	Type J	2.7	1
UTIL KITCHEN-N	12x6x8Ft	(1)	Type A8	0.8	1
UTIL OFFICE	12x8x8Ft	(2)	Type J	2.0	1
UTIL OFFICE-N	12x8x8Ft	(2)	Type A8	1.2	1
WOMEN'S CHANGE	11x50x12Ft	(8)	Type A	1.4	1
WOMENS CHANGE-N	11x50x12Ft	(8)	Type A8	0.9	1
HALL - CHANGE 1	30x4x12Ft	(1)	Type K1	1.6	1
HALL/CHANGE 1-N	30x4x12Ft	(2)	Type I1	0.5	1
GROUNDS/MAINT.	24x12x8Ft	(3) (1)	Type B Type L	2.7	1
GROUNDS/MAINT-N	24x12x8Ft	(4)	Type A8	0.8	1
REFRIG SHOP	36x48x14Ft	(9)	Type M	1.4	1
REFRIG SHOP-N	36x48x14Ft	(9)	Type M8	0.5	1
REFRIG HALL	18x48x14Ft	(2) (1) (2)	Type B Type K2 Type M	1.4	1
REFRIG HALL-N	18x48x14Ft	(3)	Type M8	0.4	1
ELEC SHOP BREAK	20x24x14Ft	(2) 8'2L Type C1 (3) 4'2L Type L1		1.6	1

Area	Dimensions	Fixtures		
		(1) 4'3L Type L2		
ELEC SHOP BRK-N	20x24x14Ft	(6) 4' 2L Type L8	0.8	1
ELEC SHOP HALL1	5x14x10Ft	(1) Type L2	2.2	1
ELEC SP HALL1-N	5x14x10Ft	(1) Type L8	0.9	1
ELEC SHOP HALL2	21x6x10Ft	(2) Type L1	1.5	1
ELEC SP HALL2-N	21x6x10Ft	(1) Type L8	0.5	1
ELEC SHOP WORK	10x30x10Ft	(4) Type L1	1.3	1
ELEC SHP WORK-N	10x30x10Ft	(4) Type L8	0.8	1
ELEC OFFICE 1	13x18x10Ft	(2) Type L1 (1) Type L2 (1) Type M1	2.3	1
ELEC OFFICE 1-N	13x18x10Ft	(4) Type L8	1.0	1
ELEC SM PTS STO	9x18x10Ft	(2) Type M2	2.4	1
ELEC PTS STO-N	9x18x10Ft	(2) Type L8	0.7	1
LOCKSMITH	8x49x10Ft	(3) Type L (3) Type L3 (2) Type L4	2.6	1
LOCKSMITH-N	8x49x10Ft	(2) Type L8 (5) Type LR	1.0	1
INSTR SHOP BRK	16x18x10Ft	(3) Type L	2.0	1
INSTR SHP BRK-N	16x18x10Ft	(4) Type L8	0.8	1
INST ENTRANCE	20x19x10Ft	(3) Type L	1.5	1
INST ENTRANCE-N	20x19x10Ft	(4) Type L8	0.6	1
INST SHP OFFICE	12x19x8Ft	(4) Type F	2.9	1
INST SHP OFC-N	12x19x8Ft	(4) Type G8	1.0	1
WASH AREA	16x11x10Ft	(2) Type L	2.2	1
WASH AREA-N	16x11x10Ft	(2) Type L8	0.7	1
MILLWRIGHT ENT1	50x11x10Ft	(2) Type C2 (3) Type C3	1.6	1
MILLWRT ENT1-N	50x11x10Ft	(3) Type C8	0.6	1
INST SHOP WORK	16x18x10Ft	(3) Type L	2.0	1

| INST SHP WORK-N | 16x18x10Ft | (4) | Type LR | | 0.8| | 1|

MILLWRIGHT ENT2	21x18x10Ft	(2) Type C2	1.3	1
MILLWRT ENT2-N	21x18x10Ft	(2) Type C8	0.6	1
MILLWRIGHT OFC	12x18x10Ft	(4) Type L	3.6	1
MILLWRT OFC-N	12x18x10Ft	(4) Type L8	1.1	1
MILLWRIGHT STO	23x20x10Ft	(3) Type L	1.3	1
MILLWRT STO-N	23x20x10Ft	(3) Type L8	0.4	1
MILLWRIGHT SHP1	31x49x12Ft	(1) Type B (1) Type C (1) Type K (11) Type L	1.8	1
MILLWRT SHP1-N	31x49x12Ft	(14) Type L8	0.6	1

NOTES:

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Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910-1   Type: Indoor

Project Area Summary

Project name: Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 16-Mar-95
Prepared by: C. Warren	UPD: 1.6W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
MILLWRIGHT SHP2	36x14x12Ft	(3)	Type L	1.8	1
		(2)	Type S		
MILLWRT SHP2-N	36x14x12Ft	(8)	Type L8	1.0	1
OOL & DIE LUNC	36x29x9Ft	(12)	Type F	1.9	1
TOOL DIE LUNC-N	36x29x9Ft	(12)	Type G8	0.7	1
TOOL & DIE 1	116x32x20Ft	(47)	Type C	4.4	1
TOOL & DIE 1-N	116x32x20Ft	(47)	Type C8	1.3	1
TOOL & DIE 2	97x66x20Ft	(67)	Type C	3.6	1
TOOL & DIE 2-N	97x66x20Ft	(67)	Type C8	1.1	1
TOOL & DIE 3	116x44x20Ft	(50)	Type C	3.4	1
TOOL & DIE 3-N	116x44x20Ft	(50)	Type C8	1.0	1
TOOL & DIE STO	18x38x8Ft	(2)	Type C	2.0	1
		(1)	Type C1		
		(1)	Type K		
		(2)	Type L		
TOOL DIE STO-N	18x38x8Ft	(3)	Type C8	0.7	1
		(3)	Type L8		
TOOL & DIE OFC	18x20x8Ft	(8)	Type L	4.3	1
OL DIE OFC-N	18x20x8Ft	(6)	Type L8	1.0	1
TOOL ROOM	48x60x12Ft	(3)	Type B1	0.8	1
		(14)	Type C3		
TOOL ROOM-N	48x60x12Ft	(3)	Type B8	0.6	1

Area	Dimensions	Qty	Type	Value	Count
		(14)	Type C8		
TOOL HALLWAY	72x6x12Ft	(2)	Type C	1.6	1
TOOL HALLWAY-N	72x6x12Ft	(2)	Type C8	0.5	1
BGU WORK AREA	17x26x12Ft	(4)	Type M3	1.7	1
BGU WORK AREA-N	17x26x12Ft	(6)	Type AR	0.8	1
BGU BREAK ROOM	13x12x8Ft	(3)	Type B1	3.3	1
BGU BRK ROOM-N	13x12x8Ft	(2)	Type A8	0.8	1
BGU OFFICE 1	12x12x12Ft	(2)	Type M3	2.7	1
BGU OFFICE 1-N	12x12x12Ft	(4)	Type AR	1.7	1
BGU OFFICE 2	12x16x12Ft	(4)	Type M3	4.0	1
BGU OFFICE 2-N	12x16x12Ft	(4)	Type AR	1.3	1
BGU ENTRANCE	12x8x12Ft	(1)	Type L	2.0	1
BGU ENTRANCE-N	12x8x12Ft	(1)	Type L8	0.6	1
BGU KITCHEN	36x6x8Ft	(2)	Type J1	1.5	1
BGU KITCHEN-N	36x6x8Ft	(2)	Type A8	0.5	1
SHEET METAL	80x71x20Ft	(8) (5) (1) (2)	Type C Type C1 Type J2 Type K	0.7	1
SHEET METAL-N	80x71x20Ft	(13) (3)	Type C8 Type L8	0.3	1
STORAGE CRIB	87x48x20Ft	(18)	Type C3	0.5	1
STORAGE CRIB-N	87x48x20Ft	(18)	Type C8	0.5	1

NOTES:

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Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910   Type: Indoor

Project Calculation Summary	
Project name: Lighting Survey Prepared for: Corps of Engineers Prepared by: C. Warren	Project #6941331 Date: 15-Mar-95 UPD: 1.7W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
CHANGE ROOM 2	32x40x12Ft	Ch. Rm. 2	<+>	34.7	47.5	5.3
CHANGE ROOM 2-N	32x40x12Ft	Ch. Rm. 2	<+>	34.0	42.4	7.3
CHANGE ROOM 1	20x30x12Ft	Ceiling	<+>	30.7	44.6	5.4
CHANGE ROOM 1-N	20x30x12Ft	Ceiling	<+>	27.4	39.8	4.8
PAINT SHOP	32x40x32Ft	Ceiling	<+>	16.6	70.5	1.5
PAINT SHOP-N	32x40x32Ft	Ceiling	<+>	29.5	81.1	6.6
SIGN SHOP	30x33x10Ft	Ceiling	<+>	119.6	173.2	45.2
SIGN SHOP-N	30x33x10Ft	Ceiling	<+>	63.9	89.2	25.9
ENTOMOLOGY	15x17x10Ft	Ceiling	<+>	69.6	99.1	33.7
ENTOMOLOGY-N	15x17x10Ft	Ceiling	<+>	57.2	79.0	32.0
PAINT OFFICE	15x17x10Ft	Ceiling	<+>	74.9	102.9	47.0
PAINT OFFICE-N	15x17x10Ft	Ceiling	<+>	44.7	55.9	36.0
TOILET #2	32x20x12Ft	Toilet 2	<+>	32.2	46.6	6.4
TOILET #2-N	32x20x12Ft	Toilet 2	<+>	28.8	41.5	5.7
TOILET #1	20x20x12Ft	Toilet 2	<+>	25.5	48.6	4.6
ILET #1-N	20x20x12Ft	Toilet 2	<+>	22.8	43.4	4.1
PM CONFERENCE	13x16x8Ft	Ceiling	<+>	74.3	89.3	53.1

CONFERENCE-N	13x16x8Ft	Ceiling C.U. CALC	\<+>	50.8 32.2	63.0 ---	35.4 ---
PM HALL	6x16x8Ft	Ceiling	\<+>	66.7	81.2	57.8
PM HALL-N	6x16x8Ft	Ceiling	\<+>	23.7	44.2	9.6
PM OFFICE 1	11x16x8Ft	Ceiling	\<+>	69.7	80.8	54.7
PM OFFICE 1-N	11x16x8Ft	Ceiling	\<+>	44.5	51.7	34.5
PM OFFICE 2	11x16x8Ft	Ceiling	\<+>	68.1	81.1	49.7
PM OFFICE 2-N	11x16x8Ft	Ceiling	\<+>	43.4	51.8	31.1
PM OFFICE 3	15x12x8Ft	Ceiling	\<+>	70.2	81.5	53.6
PM OFFICE 3-N	15x12x8Ft	Ceiling	\<+>	44.7	52.0	33.7
WO CENTRAL	25x27x12Ft	Ceiling	\<+>	48.2	64.4	23.8
WO CENTRAL-N	25x27x12Ft	Ceiling	\<+>	43.9	58.7	21.7
WO CENTRAL ADD	8x16x12Ft	Ceiling	\<+>	54.8	65.5	42.0
CNTRAL ADD-N	8x16x12Ft	Ceiling	\<+>	50.0	59.8	38.3
WO OFFICES 1&2	10x10x8Ft	Ceiling	\<+>	36.9	52.6	23.8
WO OFFCES 1&2-N	10x10x8Ft	Ceiling	\<+>	37.4	54.7	23.5
WO HALL	10x4x9Ft	Ceiling	\<+>	31.5	39.3	23.3
WO HALL-N	10x4x9Ft	Ceiling	\<+>	28.1	35.0	20.7
WO OFFICE 3	10x18x8Ft	Ceiling	\<+>	50.2	61.0	39.0
WO OFFICE 3-N	10x18x8Ft	Ceiling	\<+>	49.1	61.5	37.2
WO COPY ROOM	13x17x9Ft	Ceiling	\<+>	39.6	62.6	17.0
WO COPY ROOM-N	13x17x9Ft	Ceiling	\<+>	25.3	38.7	10.7
WO STORAGE	8x16x10Ft	Ceiling	\<+>	22.1	29.8	14.8
WO BREAK ROOM	16x20x8Ft	Ceiling	\<+>	75.3	99.0	49.6
WO BREAK ROOM-N	16x20x8Ft	Ceiling	\<+>	35.2	59.4	11.6
WO SECRETARY	14x36x8Ft	Ceiling	\<+>	64.2	84.1	49.4
SECRETARY-N	14x36x8Ft	Ceiling	\<+>	40.2	50.2	31.3
WO SEC. ALCOVE	7x16x8Ft	Ceiling	\<+>	57.9	109.9	17.8

34-910 Calculations

C. ALCOVE-N	7x16x8Ft	Ceiling	<+>	37.1	68.8	11.5
WO MICROFICHE	20x15x8Ft	Ceiling	<+>	44.0	71.4	22.7
MICROFICHE-N	20x15x8Ft	Ceiling	<+>	35.0	54.4	9.8
WO MIC STORAGE	10x15x8Ft	Ceiling	<+>	28.2	41.9	16.0
MIC STORAGE-N	10x15x8Ft	Ceiling	<+>	16.6	38.5	2.9

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910A   Type: Indoor

Project Calculation Summary

Project name: Lighting Survey	Project #6941331
Prepared for: Corps of Engineers	Date: 16-Mar-95
Prepared by: C. Warren	UPD: 1.2W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
UTILITIES BREAK	12x14x8Ft	Ceiling	<+>	107.6	125.7	83.2
UTIL. BREAK-N	12x14x8Ft	Ceiling	<+>	27.2	41.9	14.2
UTIL KITCHEN	12x6x8Ft	Ceiling	<+>	31.8	37.0	26.7
UTIL KITCHEN-N	12x6x8Ft	Ceiling	<+>	22.5	33.3	13.7
UTIL OFFICE	12x8x8Ft	Ceiling	<+>	27.9	33.6	22.1
UTIL OFFICE-N	12x8x8Ft	Ceiling	<+>	36.2	45.3	27.7
WOMEN'S CHANGE	11x50x12Ft	Ceiling	<+>	36.5	54.2	13.1
WOMENS CHANGE-N	11x50x12Ft	Ceiling	<+>	32.6	48.3	11.7
HALL - CHANGE 1	30x4x12Ft	Ceiling	<+>	17.2	34.1	1.5
HALL/CHANGE 1-N	30x4x12Ft	Ceiling	<+>	11.7	13.6	8.3
GROUNDS/MAINT.	24x12x8Ft	Ceiling	<+>	67.7	101.3	36.8
GROUNDS/MAINT-N	24x12x8Ft	Ceiling	<+>	32.4	48.3	17.9
REFRIG SHOP	36x48x14Ft	Ceiling	<+>	46.5	91.7	10.0
REFRIG SHOP-N	36x48x14Ft	Ceiling	<+>	33.5	68.4	6.3
REFRIG HALL	18x48x14Ft	Ceiling	<+>	37.5	86.7	12.1
REFRIG HALL-N	18x48x14Ft	Ceiling	<+>	17.1	24.7	9.8
ELEC SHOP BREAK	20x24x14Ft	Ceiling	<+>	54.0	89.1	14.7
ELEC SHOP BRK-N	20x24x14Ft	Ceiling	<+>	27.0	33.7	18.8

EC SHOP HALL1	5x14x10Ft	Ceiling	<+>	35.4	59.0	18.4
ELEC SP HALL1-N	5x14x10Ft	Ceiling	<+>	23.4	38.5	12.4
ELEC SHOP HALL2	21x6x10Ft	Ceiling	<+>	31.2	44.2	8.7
ELEC SP HALL2-N	21x6x10Ft	Ceiling	<+>	14.9	33.0	3.2
ELEC SHOP WORK	10x30x10Ft	Ceiling	<+>	34.8	62.1	8.8
ELEC SHP WORK-N	10x30x10Ft	Ceiling	<+>	32.0	56.6	8.2
ELEC OFFICE 1	13x18x10Ft	Ceiling	<+>	59.1	90.3	19.4
ELEC OFFICE 1-N	13x18x10Ft	Ceiling	<+>	40.3	62.5	13.1
ELEC SM PTS STO	9x18x10Ft	Ceiling	<+>	54.0	78.8	26.2
ELEC PTS STO-N	9x18x10Ft	Ceiling	<+>	26.0	38.4	12.0
LOCKSMITH	8x49x10Ft	Ceiling	<+>	61.7	106.0	18.7
LOCKSMITH-N	8x49x10Ft	Ceiling	<+>	53.5	114.1	11.8
NSTR SHOP BRK	16x18x10Ft	Ceiling	<+>	52.9	115.2	11.0
INSTR SHP BRK-N	16x18x10Ft	Ceiling	<+>	35.1	45.9	22.2
INST ENTRANCE	20x19x10Ft	Ceiling	<+>	42.1	77.0	10.5
INST ENTRANCE-N	20x19x10Ft	Ceiling	<+>	28.1	38.5	15.8
INST SHP OFFICE	12x19x8Ft	Ceiling	<+>	66.5	118.2	20.9
INST SHP OFC-N	12x19x8Ft	Ceiling	<+>	44.3	77.7	12.5
WASH AREA	16x11x10Ft	Ceiling	<+>	48.1	72.6	22.7
WASH AREA-N	16x11x10Ft	Ceiling	<+>	24.8	35.7	13.4
MILLWRIGHT ENT1	50x11x10Ft	Ceiling	<+>	62.4	122.7	14.4
MILLWRT ENT1-N	50x11x10Ft	Ceiling	<+>	25.2	38.3	10.7
INST SHOP WORK	16x18x10Ft	Ceiling	<+>	53.7	102.7	9.5
INST SHP WORK-N	16x18x10Ft	Ceiling	<+>	50.6	76.6	23.6
MILLWRIGHT ENT2	21x18x10Ft	Ceiling	<+>	52.4	106.0	11.1
ILLWRT ENT2-N	21x18x10Ft	Ceiling	<+>	26.2	53.6	6.1
MILLWRIGHT OFC	12x18x10Ft	Ceiling	<+>	76.6	117.8	26.5
MILLWRT OFC-N	12x18x10Ft	Ceiling	<+>	39.8	59.6	15.1

34-910A Calculations

MILLWRIGHT STO	23x20x10Ft	Ceiling	<+>	34.4	65.4	8.1
MILLWRT STO-N	23x20x10Ft	Ceiling	<+>	18.1	32.0	5.7
MILLWRIGHT SHP1	31x49x12Ft	Ceiling	<+>	54.6	96.8	16.1
MILLWRT SHP1-N	31x49x12Ft	Ceiling	<+>	34.0	46.3	16.3

NOTES:

Reynolds, Smith & Hills, Inc.
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Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-910-1   Type: Indoor

Project Calculation Summary

Project name: Lighting Survey Prepared for: Corps of Engineers Prepared by: C. Warren	Project #6941331 Date: 16-Mar-95 UPD: 1.6W/Sq.Ft

AREA NAME	DIMENSIONS	GRID NAME	AVE		MAX	MIN
MILLWRIGHT SHP2	36x14x12Ft	Ceiling	<+>	40.3	79.5	16.0
MILLWRT SHP2-N	36x14x12Ft	Ceiling	<+>	39.1	49.4	25.5
TOOL & DIE LUNC	36x29x9Ft	Ceiling	<+>	50.7	67.6	28.1
TOOL DIE LUNC-N	36x29x9Ft	Ceiling	<+>	33.6	43.5	18.3
TOOL & DIE 1	116x32x20Ft	Ceiling	<+>	153.5	215.4	62.6
TOOL & DIE 1-N	116x32x20Ft	Ceiling	<+>	71.6	99.7	29.3
TOOL & DIE 2	97x66x20Ft	Ceiling	<+>	146.6	228.6	29.9
TOOL & DIE 2-N	97x66x20Ft	Ceiling	<+>	67.8	106.3	13.4
TOOL & DIE 3	116x44x20Ft	Ceiling	<+>	131.3	216.6	53.2
TOOL & DIE 3-N	116x44x20Ft	Ceiling	<+>	60.4	99.9	24.6
TOOL & DIE STO	18x38x8Ft	Ceiling	<+>	61.3	139.5	10.3
TOOL DIE STO-N	18x38x8Ft	Ceiling	<+>	38.2	82.0	6.7
TOOL & DIE OFC	18x20x8Ft	Ceiling	<+>	124.1	186.2	56.4
TOOL DIE OFC-N	18x20x8Ft	Ceiling	<+>	51.1	68.2	28.8
TOOL ROOM	48x60x12Ft	Ceiling	<+>	26.9	48.9	7.2
TOOL ROOM-N	48x60x12Ft	Ceiling	<+>	32.2	48.5	9.2
TOOL HALLWAY	72x6x12Ft	Ceiling	<+>	28.3	51.6	8.7
TOOL HALLWAY-N	72x6x12Ft	Ceiling	<+>	13.8	24.5	4.4

U WORK AREA	17x26x12Ft	Ceiling	<+>	41.8	53.9	22.3
BGU WORK AREA-N	17x26x12Ft	Ceiling	<+>	37.5	48.9	21.6
BGU BREAK ROOM	13x12x8Ft	Ceiling	<+>	86.7	157.5	32.0
BGU BRK ROOM-N	13x12x8Ft	Ceiling	<+>	25.7	42.3	11.7
BGU OFFICE 1	12x12x12Ft	Ceiling	<+>	48.9	61.8	29.3
BGU OFFICE 1-N	12x12x12Ft	Ceiling	<+>	54.2	63.9	42.5
BGU OFFICE 2	12x16x12Ft	Ceiling	<+>	78.1	91.6	59.7
BGU OFFICE 2-N	12x16x12Ft	Ceiling	<+>	55.5	68.0	35.9
BGU ENTRANCE	12x8x12Ft	Ceiling	<+>	32.8	42.2	24.4
BGU ENTRANCE-N	12x8x12Ft	Ceiling	<+>	17.6	22.3	13.3
BGU KITCHEN	36x6x8Ft	Ceiling	<+>	29.9	49.7	8.1
BGU KITCHEN-N	36x6x8Ft	Ceiling	<+>	16.5	32.8	2.9
HEET METAL	80x71x20Ft	Ceiling	<+>	22.4	83.8	0.0
SHEET METAL-N	80x71x20Ft	Ceiling	<+>	14.7	40.6	0.0
STORAGE CRIB	87x48x20Ft	Ceiling	<+>	20.6	34.9	1.5
STORAGE CRIB-N	87x48x20Ft	Ceiling	<+>	24.4	40.9	1.7

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:56 20-Dec-94
PROJECT: 34-910   AREA: CHANGE ROOM 2   GRID: Ch. Rm. 2
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.26   MAX=47.5   AVE=34.7   AVE/MIN= 6.61 MAX/MIN=   9.04

A <15> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.63

Y-AXIS

```
40.0      17.4  18.9  18.9  19.3  18.9  18.9  17.3  9.90

36.0      41.2  41.4  41.1  42.0  41.1  41.4  41.2  21.2

32.0    + 37.2 +39.5 +40.2 +40.2 +40.2 +39.4 +37.2 + 20.4

28.0    + 37.9 +40.3 +41.0 +40.9 +40.9 +40.2 +37.8 + 20.8

24.0      44.6  45.1  47.5  45.7  47.4  44.9  44.4  23.1

20.0    + 35.1 +37.9 +37.7 +38.3 +37.5 +37.5 +34.6 + 19.4

16.0      44.5  45.0  47.3  45.3  46.7  43.8  49.1  22.3

12.0    + 37.7 +39.9 +40.5 +40.1 +39.2 +36.0 +31.8 + 17.2

8.0       36.9  39.0  39.5  38.9  36.9  26.7  15.8  8.36

4.0       40.9  40.9  43.4  40.6  40.2  24.5  11.0  5.26

0.0

     0.0     8.0      16.0     24.0     32.0
       4.0      12.0     20.0     28.0
                   X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:52 15-Mar-95
PROJECT: 34-910   AREA: CHANGE ROOM 2-N GRID: Ch. Rm. 2
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=7.33   MAX=42.4   AVE=34.0   AVE/MIN=   4.63 MAX/MIN=   5.78

A8 <15> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:45 20-Dec-94
PROJECT: 34-910   AREA: CHANGE ROOM 1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.38   MAX=44.6   AVE=30.7   AVE/MIN=   5.71 MAX/MIN=   8.30

A ⟨7⟩ = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

```
Y-AXIS
        +    +    +    +    +    +    +    +    +    +
29.0  28.0 27.5 22.7 16.3 11.0 8.07 6.86 6.22 5.75 5.38
        +   ↑+    +    +    +    +    +    +    +    +
27.0  36.8 36.4 28.6 19.8 12.7 9.55 8.22 7.44 6.82 6.20
        + A +    +    +    +    +    +    +    +    +
25.0  38.2 38.0 30.4 21.6 14.5 11.5 10.3 9.56 8.79 7.86
        +    +    +    +    +    +    +    +    +    +
23.0  33.5 33.7 29.1 22.8 17.6 15.4 14.4 13.8 13.1 12.1
        +    +    +    +    +    +    +    +    +    +
21.0  31.1 31.9 30.1 26.7 23.8 22.5 21.8 21.3 20.6 20.0
        +    +    +    +    +    +    +    +    +    +
19.0  34.9 36.5 35.9 34.6 33.8 33.0 32.2 31.8 31.3 29.8
        +   ↑+    +    +   ↑+    +    +    +   ↑+    +
17.0  40.9 43.4 42.4 42.1 43.3 42.9 41.0 40.6 41.3 38.8
        + A +    +    +  A +    +    +    +  A +    +
15.0  41.1 43.8 43.1 43.3 44.6 44.5 42.7 42.3 42.8 40.1
        +    +    +    +    +    +    +    +    +    +
13.0  35.5 37.9 38.5 38.8 39.1 39.0 38.6 38.1 37.4 35.1
        +    +    +    +    +    +    +    +    +    +
11.0  32.2 34.4 35.6 35.9 35.8 35.7 35.8 35.4 34.2 32.0
        +    +    +    +    +    +    +    +    +    +
9.0   35.2 37.6 38.3 38.6 39.0 39.0 38.6 38.2 37.5 35.2
        +   ↑+    +    +   ↑+    +    +    +   ↑+    +
7.0   40.5 43.1 42.5 42.9 44.4 44.4 42.8 42.5 43.1 40.5
        + A +    +    +  A +    +    +    +  A +    +
5.0   39.2 41.7 40.8 41.1 42.8 42.8 41.1 40.8 41.7 39.2
        +    +    +    +    +    +    +    +    +    +
3.0   30.4 31.9 32.2 32.4 32.8 32.8 32.4 32.2 31.9 30.4
        +    +    +    +    +    +    +    +    +    +
1.0   20.7 21.4 21.9 22.1 22.0 22.0 22.1 21.9 21.4 20.7

      1.0      5.0      9.0      13.0     17.0
         3.0      7.0      11.0     15.0     19.0
                         X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 17:21 15-Mar-95
PROJECT: 34-910 AREA: CHANGE ROOM 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.80   MAX=39.8   AVE=27.4   AVE/MIN= 5.71 MAX/MIN=   8.30

A8 <7> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

```
         +    +    +    +    +    +    +    +    +    +
29.0   25.0 24.5 20.2 14.6 9.80 7.20 6.12 5.55 5.13 4.80
         +    +    +    +    +    +    +    +    +    +
27.0   32.8 32.4 25.5 17.7 11.3 8.51 7.33 6.64 6.08 5.53
          A8
         +    +    +    +    +    +    +    +    +    +
25.0   34.0 33.9 27.1 19.2 12.9 10.2 9.21 8.52 7.84 7.01
         +    +    +    +    +    +    +    +    +    +
23.0   29.9 30.0 25.9 20.4 15.7 13.8 12.9 12.3 11.7 10.8
         +    +    +    +    +    +    +    +    +    +
21.0   27.7 28.4 26.8 23.8 21.2 20.1 19.5 19.0 18.4 17.8
         +    +    +    +    +    +    +    +    +    +
19.0   31.2 32.6 32.0 30.9 30.1 29.5 28.8 28.4 28.0 26.6
         +    +    +    +    +    +    +    +    +    +
17.0   36.5 38.7 37.8 37.6 38.6 38.3 36.6 36.2 36.8 34.6
          A8            A8                    A8
         +    +    +    +    +    +    +    +    +    +
15.0   36.6 39.1 38.5 38.6 39.8 39.7 38.1 37.7 38.2 35.8
         +    +    +    +    +    +    +    +    +    +
13.0   31.6 33.8 34.4 34.6 34.9 34.8 34.4 34.0 33.4 31.3
         +    +    +    +    +    +    +    +    +    +
11.0   28.7 30.7 31.7 32.0 31.9 31.9 31.9 31.6 30.5 28.6
         +    +    +    +    +    +    +    +    +    +
9.0    31.4 33.5 34.2 34.5 34.8 34.8 34.4 34.1 33.5 31.4
         +    +    +    +    +    +    +    +    +    +
7.0    36.1 38.5 37.9 38.2 39.6 39.6 38.2 37.9 38.5 36.1
          A8            A8                    A8
         +    +    +    +    +    +    +    +    +    +
5.0    35.0 37.2 36.4 36.7 38.1 38.1 36.7 36.4 37.2 35.0
         +    +    +    +    +    +    +    +    +    +
3.0    27.1 28.5 28.7 28.9 29.2 29.2 28.9 28.7 28.5 27.1
         +    +    +    +    +    +    +    +    +    +
1.0    18.5 19.1 19.5 19.7 19.6 19.6 19.7 19.5 19.1 18.5

        1.0      5.0      9.0      13.0     17.0
            3.0      7.0      11.0     15.0     19.0
                        X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:48 21-Dec-94
PROJECT: 34-910 AREA: TOILET #1   GRID: Toilet 2
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.60   MAX=48.6   AVE=25.5   AVE/MIN=   5.55 MAX/MIN=   10.57

A <4> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

```
Y-AXIS

19.0   +    +    +    +    +    +    +    +    +    +
       23.6 22.5 18.7 13.1 8.70 6.95 6.00 5.28 4.90 4.60

17.0   +    +    +    +    +    +    +    +    +    +
       33.1 31.9 25.0 17.0 10.6 8.00 6.82 6.09 5.57 5.09

15.0   +    +    +    +    +    +    +    +    +    +
       38.4 37.3 28.9 19.6 12.5 9.50 8.32 7.48 6.75 6.01

13.0   +    +    +    +    +    +    +    +    +    +
       35.0 34.7 28.4 20.8 14.7 12.4 11.3 10.2 9.08 8.08

11.0   +    +    +    +    +    +    +    +    +    +
       29.9 30.3 27.4 23.0 19.6 18.7 18.3 17.1 14.8 11.9

9.0    +    +    +    +    +    +    +    +    +    +
       30.4 31.6 30.8 29.2 28.6 29.8 30.2 28.2 23.7 18.1

7.0    +    +    +    +    +    +    +    +    +    +
       36.6 38.3 37.6 37.6 39.8 42.5 43.0 41.1 33.9 24.4

5.0    +    +    +    +    +    +    +    +    +    +
       40.7 42.3 40.8 41.4 45.2 48.3 48.6 46.9 38.6 27.4

3.0    +    +    +    +    +    +    +    +    +    +
       35.6 36.8 36.2 36.9 39.8 42.7 43.5 41.8 34.7 25.5

1.0    +    +    +    +    +    +    +    +    +    +
       25.8 26.3 26.6 27.3 28.5 30.5 31.3 29.5 25.2 20.1

       1.0      5.0      9.0      13.0     17.0
           3.0      7.0      11.0     15.0     19.0
                         X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output: 17:26 15-Mar-95
PROJECT: 34-910 AREA: TOILET #1-N GRID: Toilet 2
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.10   MAX=43.4   AVE=22.8   AVE/MIN= 5.55 MAX/MIN= 10.57

A8 <4> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

```
19.0 |  21.0 20.0 16.7 11.7 7.76 6.20 5.35 4.71 4.37 4.10
        +    +    +    +    +    +    +    +    +    +
17.0 |  29.5 28.5 22.3 15.2 9.47 7.13 6.08 5.43 4.97 4.54
        +    +    +    +    +    +    +    +    +    +
15.0 |  34.2 33.3 25.8 17.5 11.1 8.48 7.42 6.67 6.02 5.36
        +    +    +    +    +    +    +    +    +    +
13.0 |  31.2 30.9 25.4 18.6 13.1 11.1 10.0 9.13 3.10 7.21
        +    +    +    +    +    +    +    +    +    +
11.0 |  26.6 27.1 24.4 20.5 17.5 16.7 16.3 15.3 13.2 10.6
        +    +    +    +    +    +    +    +    +    +
 9.0 |  27.1 28.2 27.5 26.0 25.5 26.6 26.9 25.2 21.1 16.2
        +    +    +    +    +    +    +    +    +    +
 7.0 |  32.6 34.2 33.5 35.5 37.9 38.3 36.7 30.2 21.8
        +    +    +    +    +    +    +    11.8   +
 5.0 |  36.3 37.7 36.4 36.9 40.3 43.1 43.  13.  34.  24.4
        +    +    +    +    +    +    +    +    +    +
 3.0 |  31.8 32.8 32.3 32.9 35.5 38.1 38.8 37.2 30.9 22.8
        +    +    +    +    +    +    +    +    +    +
 1.0 |  23.0 23.5 23.8 24.3 25.4 22.2 27.9 26.3 22.4 17.9
        +    +    +    +    +    +    +    +    +    +
        1.0  3.0  5.0  7.0  9.0  11.0 13.0 15.0 17.0 19.0
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:57 20-Dec-94
PROJECT: 34-910   AREA: PAINT SHOP   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.47   MAX=70.5   AVE=16.6   AVE/MIN= 11.31 MAX/MIN= 48.02

D <8> = B1366C PRESCOLITE 1059-732, (1) 300M/IF, LLF= 0.68
E <6> = B1371C PRESCOLITE 1058-730, (1) 200A23/IF, LLF= 0.34

Y-AXIS

40.0	D	D	D
36.0	15.7 18.4 18.8 18.2 18.8 18.5 15.8
32.0	16.9 18.4 19.0 20.1 19.1 18.7 17.3
28.0	14.6 17.4 18.1 17.9 18.7 18.8 16.3
24.0	11.9 14.3 15.1 15.4 17.0 17.3 15.3
20.0	9.32 10.2 11.3 12.9 13.9 15.2 15.2
16.0	6.03 9.13 40.7 17.7 11.8 14.4 13.7
12.0	3.47 8.52 70.5 23.3 10.2 13.1 13.1
8.0	1.88 6.80 68.9 21.9 8.90 12.1 13.6
4.0	1.47 4.00 35.6 13.2 8.47 12.0 12.4
0.0	

0.0   8.0   16.0   24.0   32.0
  4.0   12.0   20.0   28.0
X-AXIS
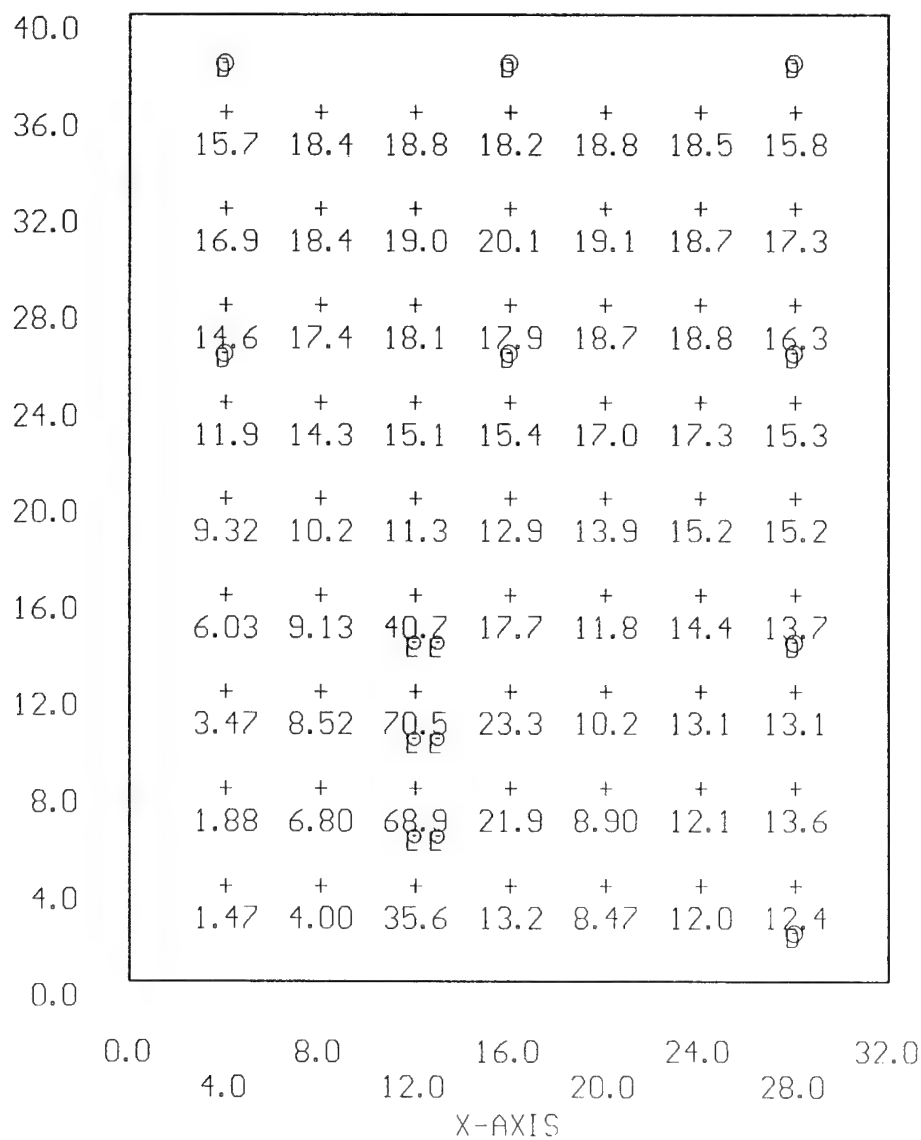
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:25 15-Mar-95
PROJECT: 34-910   AREA: PAINT SHOP-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.63   MAX=81.1   AVE=29.5   AVE/MIN=   4.45 MAX/MIN=   12.23

E <6> = B1371C PRESCOLITE 1058-730, (1) 200A23/IF, LLF= 0.34
MH <8> = GE7843 COLUMBIA SBI10M, (1) M-100, LLF= 0.80

Y-AXIS

40.0   (MH)   (MH)   (MH)

              +   +   +   +   +   +   +
36.0   31.3 33.5 34.8 35.5 35.1 34.1 32.0

              +   +   +   +   +   +   +
32.0   30.8 33.6 35.1 35.7 35.9 34.9 32.4

              +   +   +   +   +   +   +
28.0   28.9 31.3 33.1 34.5 34.7 34.1 32.3
            (MH)   (MH)   (MH)
              +   +   +   +   +   +   +
24.0   24.9 27.3 29.3 31.1 32.1 32.2 31.0

              +   +   +   +   +   +   +
20.0   20.1 22.5 24.8 26.5 28.7 29.9 29.2

              +   +   +   +   +   +   +
16.0   15.5 19.7 52.7 30.3 25.3 27.2 27.9
                        EE   (MH)
              +   +   +   +   +   +   +
12.0   11.3 17.7 81.1 34.6 22.2 25.1 26.6
                        EE
              +   +   +   +   +   +   +
8.0   8.32 14.6 78.1 31.8 19.8 23.6 25.2
                        EE
              +   +   +   +   +   +   +
4.0   6.63 10.3 43.2 21.5 18.0 22.4 24.6
                                                     (MH)
0.0

            0.0   8.0   16.0   24.0   32.0
                 4.0   12.0   20.0   28.0
                              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:58 20-Dec-94
PROJECT: 34-910   AREA: SIGN SHOP   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=45.2   MAX=173.   AVE=120.   AVE/MIN=   2.65 MAX/MIN=   3.83

B <22> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.63

Y-AXIS

```
            +      +      +      +      +      +      +
32.0       48.5   51.1   50.5   51.1   49.7   49.4   45.2

            +      +      +      +      +      +      +
28.0       95.0   99.7   98.7   97.9   96.2   95.7   85.4
            B             B             B             B

            +      +      +      +      +      +      +
24.0       142.   148.   145.   136.   132.   137.   124.
            B             B             B             B

            +      +      +      +      +      +      +
20.0       163.   169.   159.   134.   122.   143.   142.
            B             B                           B

            +      +      +      +      +      +      +
16.0       167.   173.   158.   122.   105.   137.   144.
            B             B                           B

            +      +      +      +      +      +      +
12.0       163.   170.   159.   134.   122.   143.   142.
            B             B      B                    B

            +      +      +      +      +      +      +
8.0        143.   149.   146.   137.   133.   138.   126.
            B             B      B                    B

            +      +      +      +      +      +      +
4.0        96.6   101.   100.   99.3   97.6   97.2   87.1

0.0
        0.0        8.0        16.0       24.0
            4.0        12.0       20.0       28.0
                        X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:08 15-Mar-95
PROJECT: 34-910 AREA: SIGN SHOP-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=25.9   MAX=89.2   AVE=63.9   AVE/MIN=   2.47 MAX/MIN=   3.44

I8 <18> = 10332 COLUMBIA CSR240-SPREF-EOCT, (2) F032/35K, LLF= 0.67

Y-AXIS

```
        32.0    +    +    +    +    +    +    +
                26.2 29.8 30.9 29.2 30.9 27.3 25.9

        28.0    +    +    +    +    +    +    +
                45.4 51.7 53.0 50.6 52.3 47.8 43.1

        24.0    +    +    +    +    +    +    +
                64.9 73.8 75.6 72.2 73.8 68.5 60.6

        20.0    +    +    +    +    +    +    +
                74.3 84.5 86.5 82.3 84.8 78.1 70.0

        16.0    +    +    +    +    +    +    +
                76.6 87.2 89.2 84.7 87.8 80.4 72.3

        12.0    +    +    +    +    +    +    +
                74.4 84.7 86.7 82.5 85.1 78.3 70.0

         8.0    +    +    +    +    +    +    +
                65.5 74.3 75.9 72.8 74.3 69.0 61.1

         4.0    +    +    +    +    +    +    +
                46.4 52.6 53.9 51.5 53.2 48.7 44.2

         0.0

              0.0       8.0      16.0      24.0
                   4.0      12.0      20.0      28.0
                             X-AXIS
```
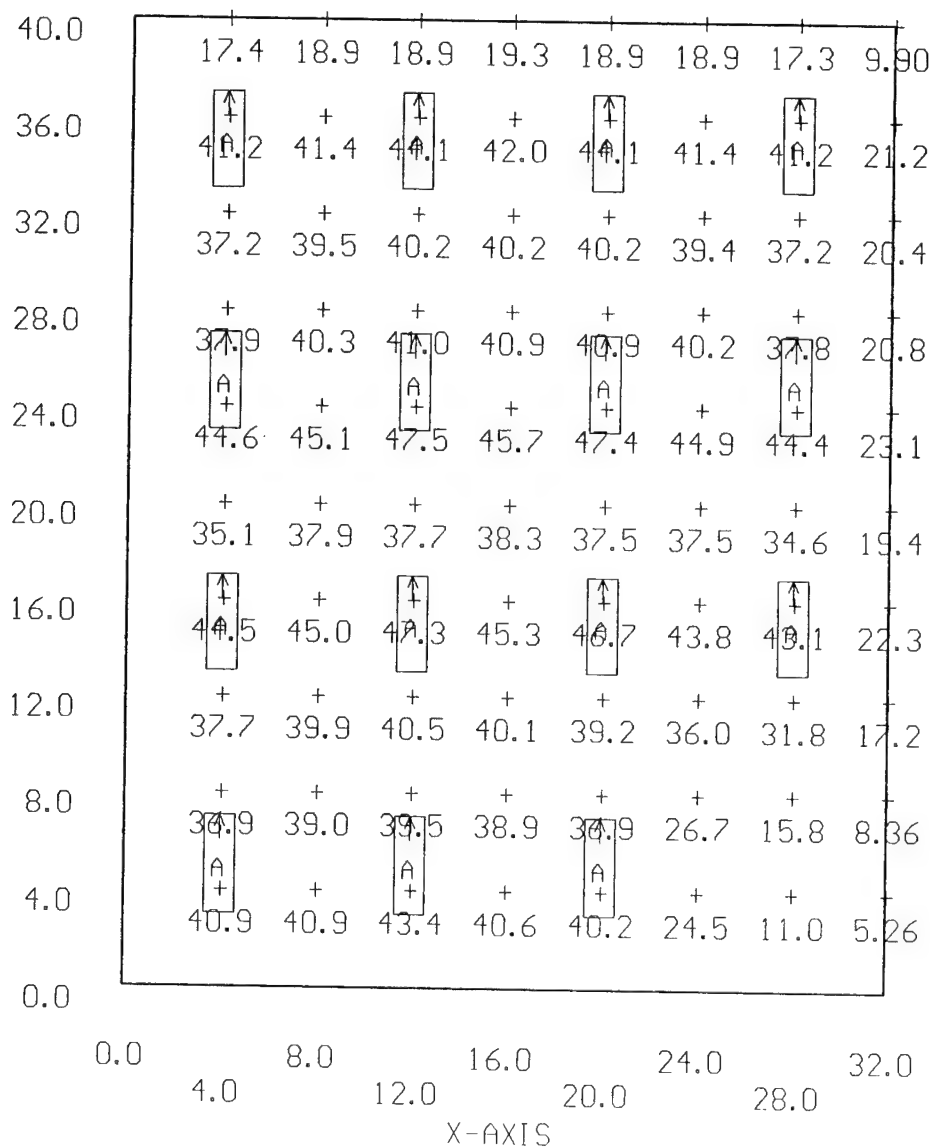
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 12:58 20-Dec-94
PROJECT: 34-910 AREA: ENTOMOLOGY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=33.7   MAX=99.1   AVE=69.6   AVE/MIN= 2.06 MAX/MIN= 2.94

C (2) = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.64

Y-AXIS

```
15.0      +      +      +      +
       53.2   57.5   55.3   33.7

              ↑             ↑
11.0      +    |   +    +    |   +
       89.3   93.1   92.6   55.2
          C             C
 7.0      +      +      +      +
       95.6   99.1   98.9   58.7

 3.0      +      +      +      +
       62.0   66.4   64.5   39.1
```

         3.0   11.0
              7.0   15.0
            X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:15 15-Mar-95
PROJECT: 34-910   AREA: ENTOMOLOGY-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.0   MAX=79.0   AVE=57.2   AVE/MIN=   1.79 MAX/MIN=   2.47

I8 <6> = 10332 COLUMBIA CSR240-SPREF-EOCT, (2) FO32/35K, LLF= 0.67

Y-AXIS

15.0	+ 54.8	+ 68.1	+ 55.8	+ 32.0
11.0	+ 61.9	+ 77.9	+ 63.1	+ 36.6
7.0	+ 62.7	+ 79.0	+ 64.0	+ 37.2
3.0	+ 57.5	+ 71.8	+ 58.7	+ 33.6

3.0   11.0

7.0   15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:59 20-Dec-94
PROJECT: 34-910   AREA: PAINT OFFICE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=47.0   MAX=103.   AVE=74.9   AVE/MIN=   1.60 MAX/MIN=   2.19

B <4> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.63

Y-AXIS

```
          +       +       +
15.0     47.0    52.8    49.1

         ↑               ↑
          +B      +       +B
11.0     87.2    95.7    91.8

         ↑               ↑
          +B      +       +B
 7.0     94.0    103.    98.9

          +       +       +
 3.0     56.7    63.7    59.5


         3.0           11.0
             7.0           15.0
          X-AXIS
```
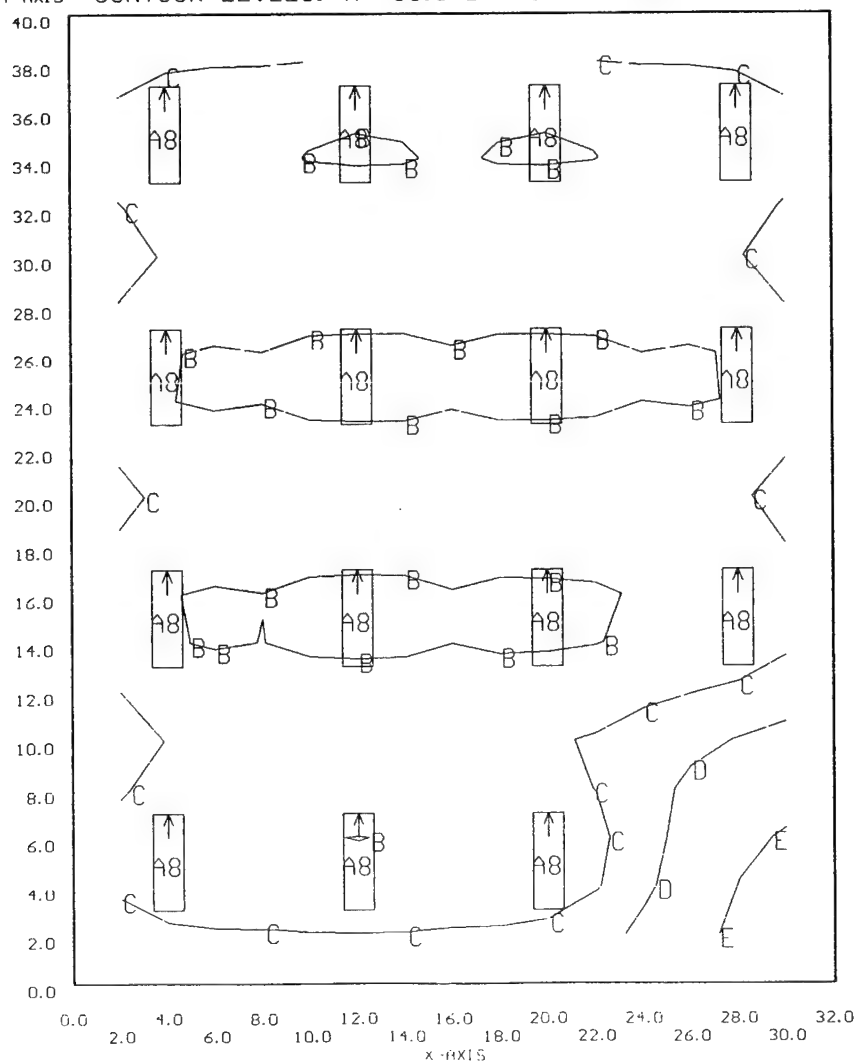
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:28 15-Mar-95
PROJECT: 34-910 AREA: PAINT OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=36.0   MAX=55.9   AVE=44.7   AVE/MIN=   1.24 MAX/MIN=   1.55

18 <4> = 10332 COLUMBIA CSR240-SPREF-EOCT, <2> F032/35K, LLF= 0.67

Y-AXIS

15.0   + 36.0   + 45.1   + 36.7   45.0
11.0   + 44.1   55.9
7.0   + 44.3   55.9   + 45.1
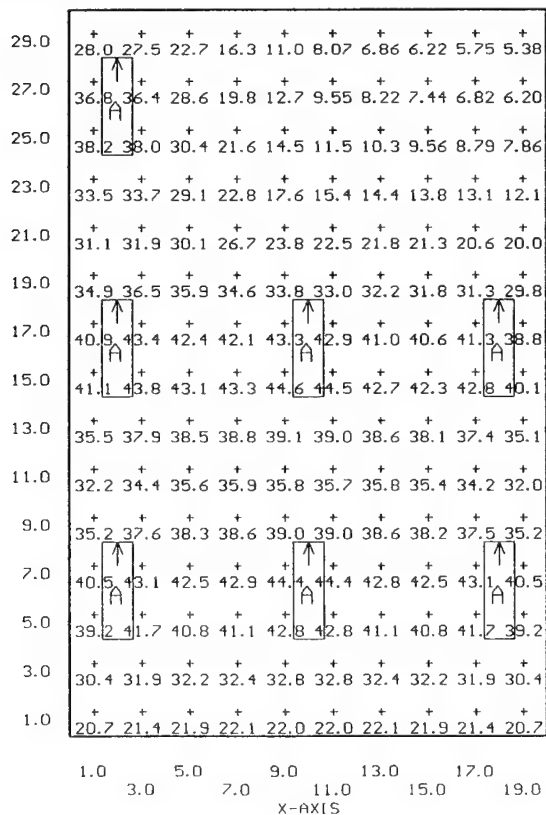3.0   39.2   + 49.6   40.1

3.0   7.0   11.0   15.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:59 20-Dec-94
PROJECT: 34-910   AREA: TOILET #2   GRID: Toilet 2
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.44   MAX=46.6   AVE=32.2   AVE/MIN=   5.01 MAX/MIN=   7.23

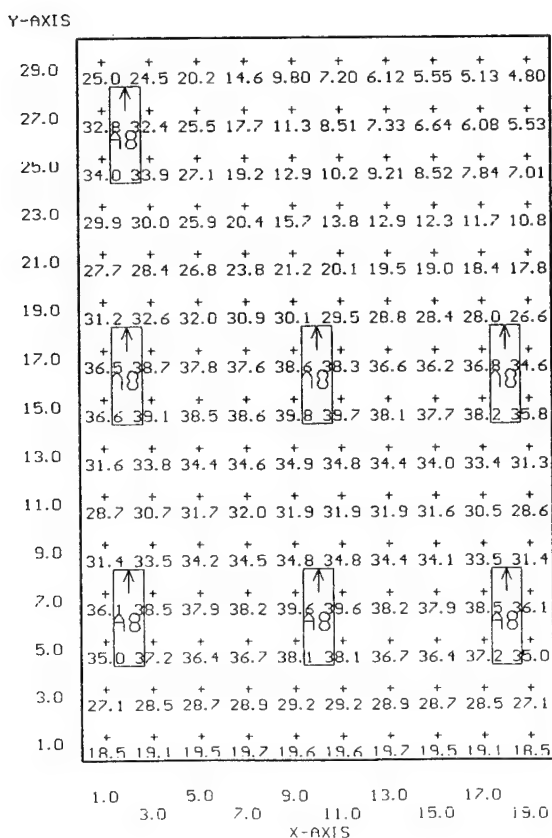A <8> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.63

Y-AXIS

```
20.0 ┌───────────────────────────────────────────────┐
     │ 27.3  30.1  26.3  33.6  26.0  29.7  26.8  9.51 │
     │      A →            A →            A →          │
16.0 │  +     +     +     +     +     +     +     +    │
     │ 37.7  41.4  36.7  45.9  36.1  40.4  36.6  13.6 │
     │                                                │
12.0 │  +     +     +     +     +     +     +     +    │
     │ 38.2  42.1  37.4  46.6  36.4  40.1  36.0  13.3 │
     │      A →            A →            A →          │
 8.0 │  +     +     +     +     +     +     +     +    │
     │ 38.2  42.1  37.3  46.1  34.3  34.3  30.1  11.2 │
     │                                                │
 4.0 │  +     +     +     +     +     +     +     +    │
     │ 37.7  41.3  36.4  44.7  29.2  18.3  14.2  6.44 │
     │      A →            A →                         │
 0.0 └───────────────────────────────────────────────┘
    0.0       8.0       16.0       24.0       32.0
        4.0       12.0       20.0       28.0
                      X-AXIS
```
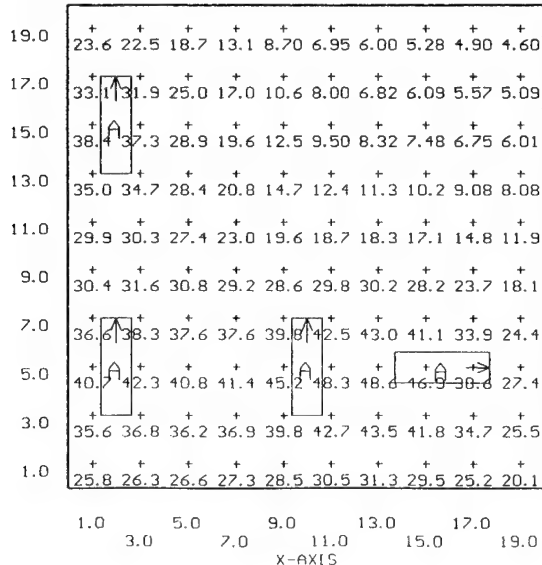
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:55 15-Mar-95
PROJECT: 34-910 AREA: TOILET #2-N GRID: Toilet 2
Values are FC, SCALE: : IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.74   MAX=41.5   AVE=28.8   AVE/MIN= 5.01 MAX/MIN=   7.23

A8 ⟨8⟩ = K9604 COLUMBIA WCW240-A, ⟨2⟩ F032/35K, LLF= 0.66

Y-AXIS

```
20.0                8.48         12.1          11.9          10.0          5.74
      24.1 26.9  23.4 30.0 23.2  26.5 23.9
           A8                    A8
15.0  33.6 36.9  32.7 41.0 32.2  36.1 32.6
12.0  34.  32.6  33.4 41.5 32.4  35.8 32.1
           A8         A8              A8
8.0   34.  37.5  33.3 41.1 30.6  30.6 26.8
4.0   33.6 36.8  32.5 30.2 26.0  16.3 12.6
           A8         A8
0.0
      0.0  8.0   16.0  24.0  32.0
         4.0   12.0  20.0  28.0
                X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   12:26 20-Dec-94
PROJECT: 34-910   AREA: PM CONFERENCE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=53.1   MAX=89.3   AVE=74.3   AVE/MIN=   1.40 MAX/MIN=   1.68

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
  16.0  ┌────────────────────────────────────────────┐
        │                                            │
        │     +      +      +      +      +      +    │
  14.0  │   53.1   68.8   73.7   74.3   72.6   61.0   │
        │        ┌──────┐             ┌──────┐        │
        │     +  │  +   │   +      +  │  +   │   +    │
  12.0  │   63.1 │ 83.2 │ 88.7   89.3 │ 87.4 │ 72.2   │
        │        │      │             │      │        │
        │     +  │  +   │   +      +  │  +   │   +    │
  10.0  │   60.6 │ 78.6   84.5   85.3   82.4 │ 68.4   │
        │        └──────┘             └──────┘        │
        │     +      +      +      +      +      +    │
   8.0  │   56.7   72.1   78.0   79.0   75.6   63.5   │
        │        ┌──────┐             ┌──────┐        │
        │     +  │  +   │   +      +  │  +   │   +    │
   6.0  │   60.6 │ 78.6 │ 84.5   85.3 │ 82.4 │ 68.4   │
        │        │      │             │      │        │
        │     +  │  +   │   +      +  │  +   │   +    │
   4.0  │   63.1 │ 83.2 │ 88.7   89.3 │ 87.4 │ 72.2   │
        │        └──────┘             └──────┘        │
        │     +      +      +      +      +      +    │
   2.0  │   53.1   68.8   73.7   74.3   72.6   61.0   │
        │                                            │
   0.0  └────────────────────────────────────────────┘
         0.0      4.0      8.0      12.0
            2.0      6.0      10.0
                     X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:34 15-Mar-95
PROJECT: 34-910   AREA: PM CONFERENCE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.4   MAX=63.0   AVE=50.8   AVE/MIN=   1.43 MAX/MIN=   1.78

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

Y-AXIS

16.0

```
14.0     +      +      +      +      +      +
       35.4  45.3  51.8  52.6  48.3  40.0

         +     G8      +      +     G8     +
12.0   41.9  55.0  62.5  63.0  58.5  47.2

10.0     +      +      +      +      +      +
       41.0  52.8  59.9  60.8  55.8  45.8

 8.0     +      +      +      +      +      +
       39.3  49.2  55.7  57.1  51.8  43.5

 6.0     +      +      +      +      +      +
       41.0  52.8  59.9  60.8  55.8  45.8

         +     G8      +      +     G8     +
 4.0   41.9  55.0  62.5  63.0  58.5  47.2

 2.0     +      +      +      +      +      +
       35.4  45.3  51.8  52.6  48.3  40.0

 0.0
```

    0.0   4.0   8.0   12.0
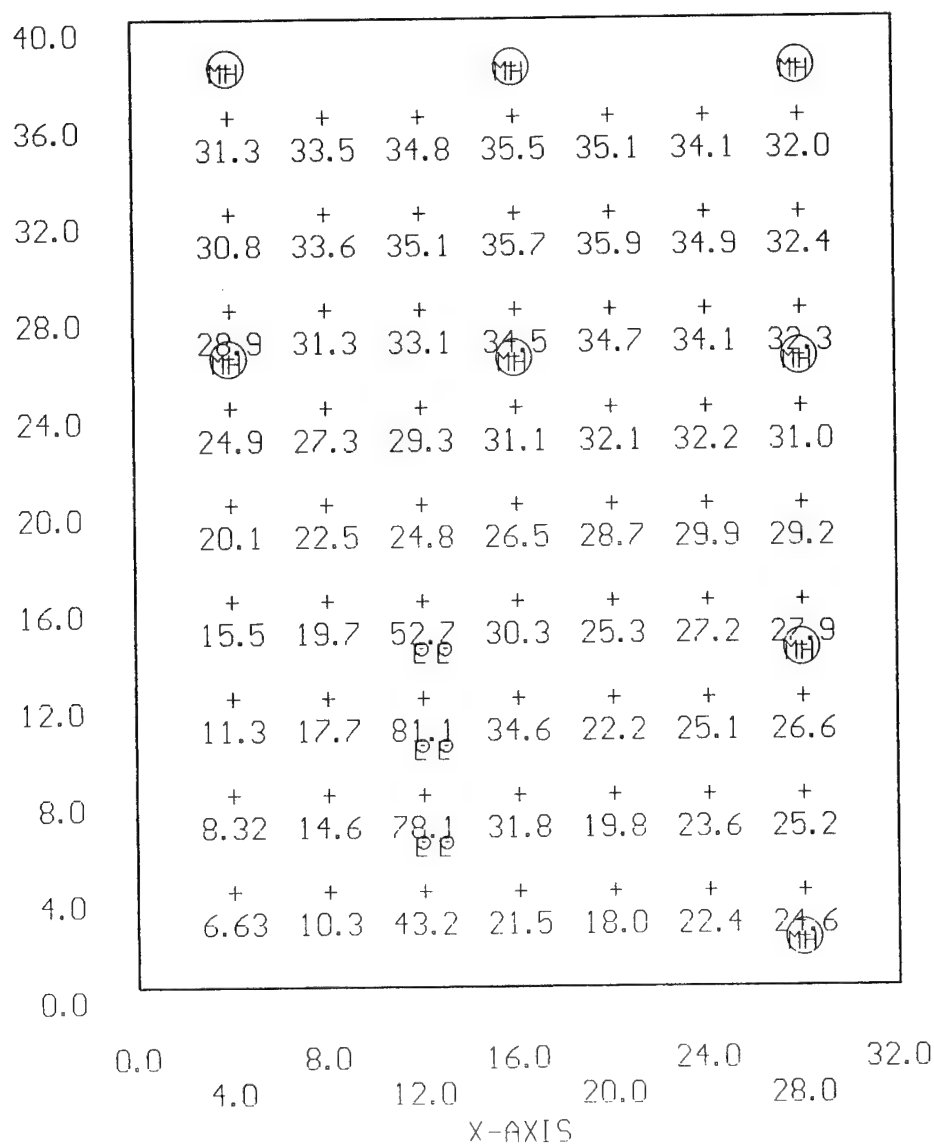   2.0   6.0   10.0
                   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:12 20-Dec-94
PROJECT: 34-910 AREA: PM HALL GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=57.8   MAX=81.2   AVE=66.7   AVE/MIN=   1.15 MAX/MIN=   1.41

F <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.63

Y-AXIS

```
16.0    ┌─────────────────────┐
        │                     │
        │   +     *     +     │
14.0    │  57.8 │67.1│ 57.8   │
        │       │    │        │
        │   +   │F+  │  +     │
12.0    │  68.6 │81.2│ 68.6   │
        │       │    │        │
        │   +    +     +      │
10.0    │  64.7 75.5  64.7    │
        │                     │
        │   +    +     +      │
 8.0    │  59.9 68.6  59.9    │
        │                     │
        │   +   │*   │  +     │
 6.0    │  64.7 │75.5│ 64.7   │
        │       │    │        │
        │   +   │F+  │  +     │
 4.0    │  68.6 │81.2│ 68.6   │
        │       │    │        │
        │   +    +     +      │
 2.0    │  57.8 67.1  57.8    │
        │                     │
 0.0    └─────────────────────┘

        1.0         5.0
            3.0
          X-AXIS
```
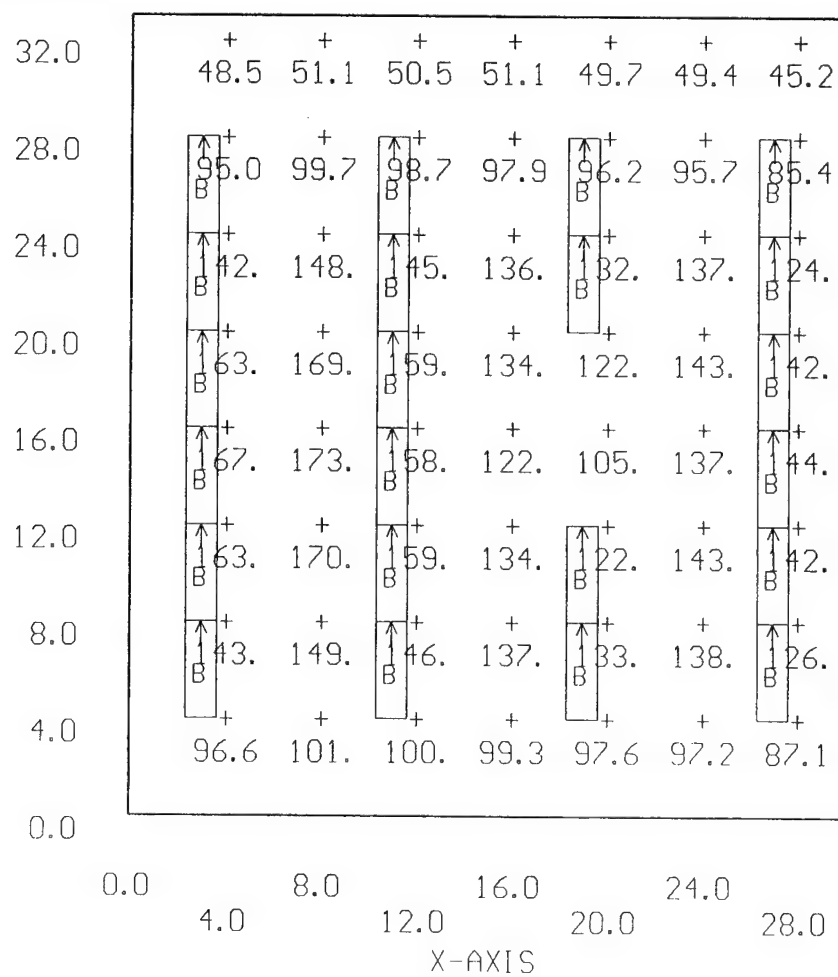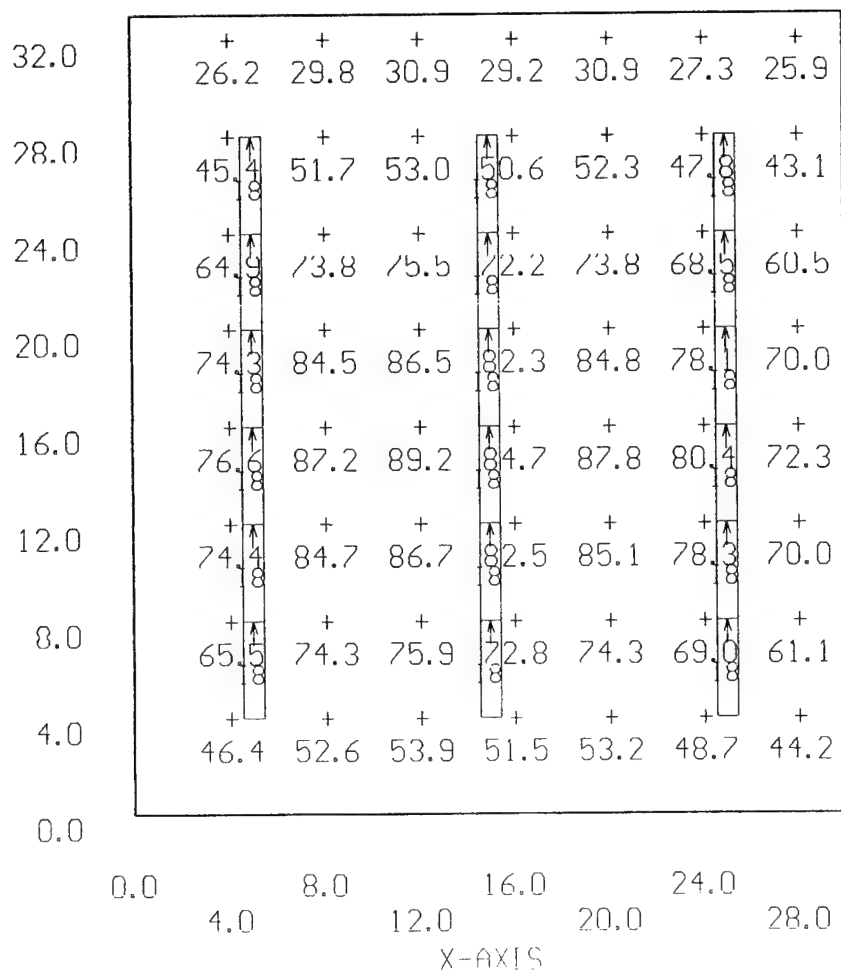
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:42 15-Mar-95
PROJECT: 34-910   AREA: PM HALL-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.58   MAX=44.2   AVE=23.7   AVE/MIN=   2.47 MAX/MIN=   4.61

G8 <1> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

Y-AXIS

```
16.0  ┌──────────────────────┐
      │                      │
      │    +      +      +    │
14.0  │  9.66   10.4   9.58   │
      │                      │
      │    +      +      +    │
12.0  │  18.8   21.3   18.6   │
      │                      │
      │    +      +      +    │
10.0  │  31.3  │36.0│  30.9   │
      │        │    │        │
      │    +    G8    +       │
 8.0  │  37.6  44.2   37.1    │
      │        │    │        │
      │    +    +      +      │
 6.0  │  31.8  36.6   31.4    │
      │                      │
      │    +      +      +    │
 4.0  │  19.4   22.0   19.2   │
      │                      │
      │    +      +      +    │
 2.0  │  10.1   10.9   9.96   │
      │                      │
 0.0  └──────────────────────┘
```

        1.0   5.0
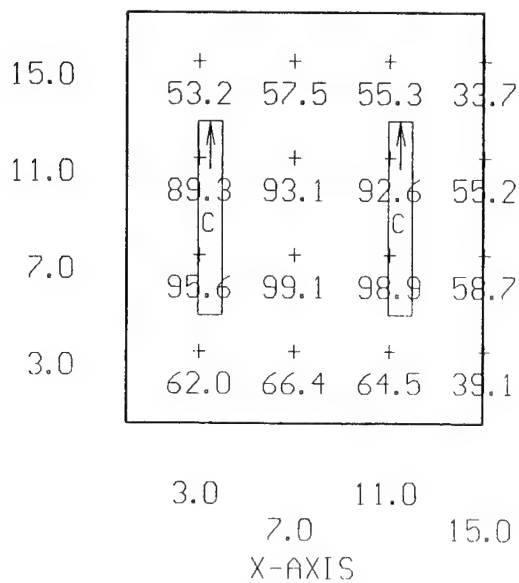   3.0
          X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:20 20-Dec-94
PROJECT: 34-910   AREA: PM OFFICE 1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=54.7   MAX=80.8   AVE=69.7   AVE/MIN=   1.27 MAX/MIN=   1.48

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.63

Y-AXIS

```
  16.0   +-------------------------------------+
         |                                     |
         |   +----+      +      +   +----+      +      |
  14.0   |   | +  ↑      +      +   | + ↑  +      |
         |   |59.5|65.4  66.5 |63.1| 54.7 |
         |   |    |            |    |      |
  12.0   |   |+F  |  +      +   |+F  |  +    |
         |   |67.9|75.0  76.3 |72.2|62.3  |
         |   |    |            |    |      |
  10.0   |   +----+  +      +   +----+  +    |
         |   71.0  78.7  80.1   75.6  65.3   |
         |                                     |
   8.0   |    +      +      +      +      +     |
         |   71.4  79.2  80.8   76.1  65.7    |
         |                                     |
   6.0   |   +----+  +      +   +----+  +       |
         |   |71.0↑ 78.7  80.1 |75.6↑ 65.3  |
         |   |    |            |    |      |
   4.0   |   |+F  |  +      +   |+F  |  +    |
         |   |67.9|75.0  76.3 |72.2|62.3  |
         |   |    |            |    |      |
   2.0   |   +----+  +      +   +----+  +    |
         |   59.5  65.4  66.5   63.1  54.7   |
         |                                     |
   0.0   +-------------------------------------+

       0.0         4.0         8.0
           2.0         6.0         10.0
                  X-AXIS
```
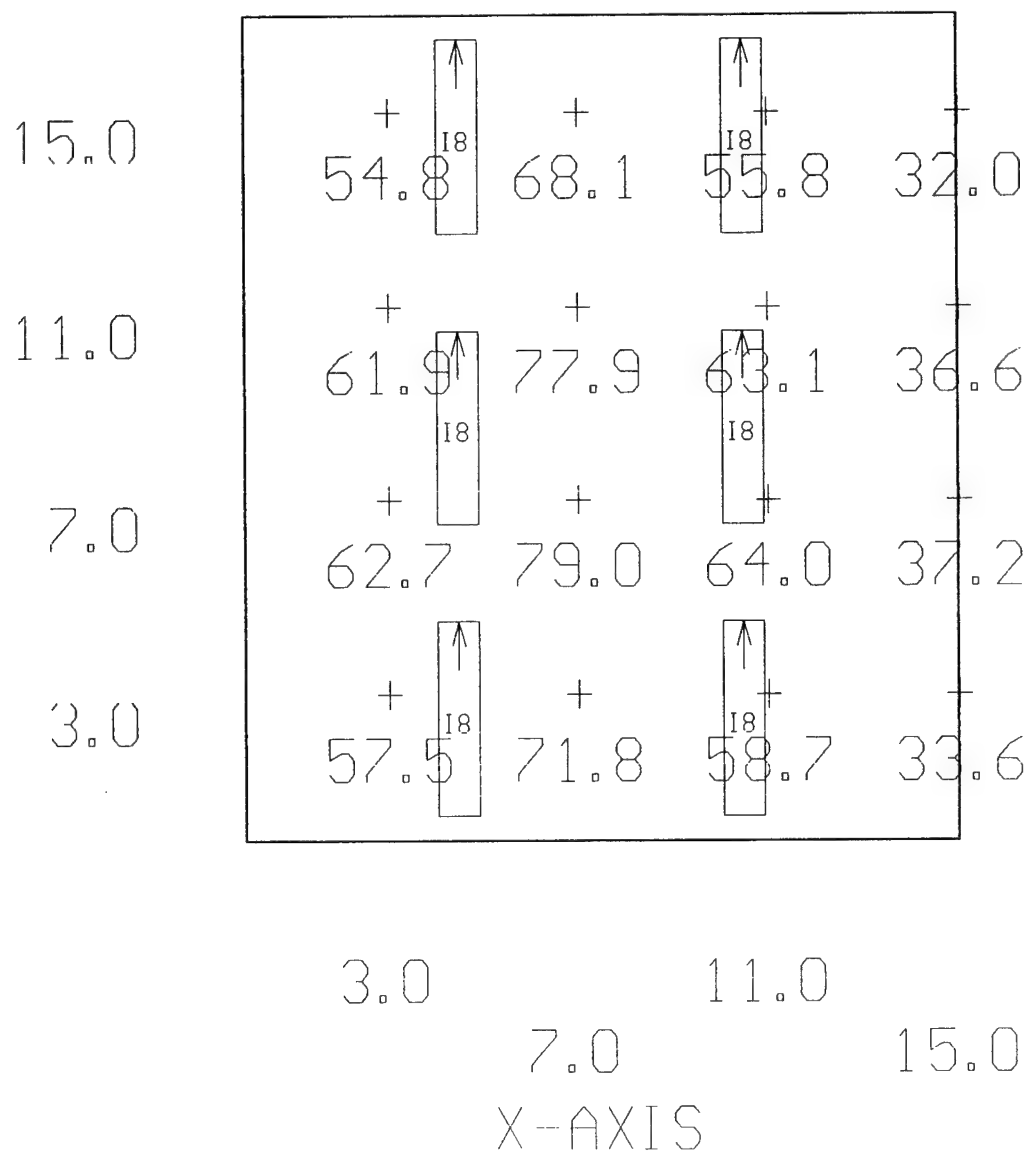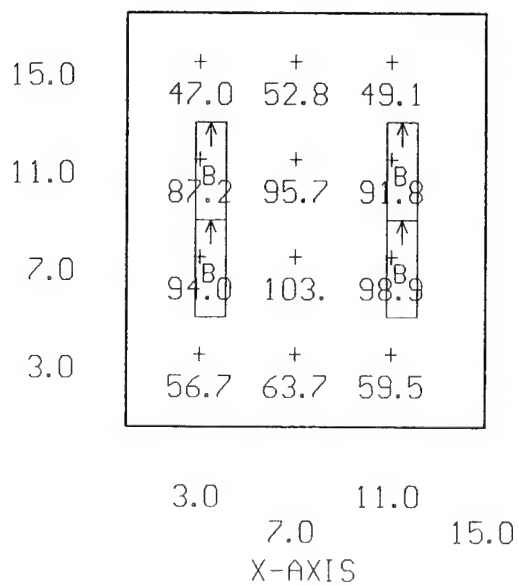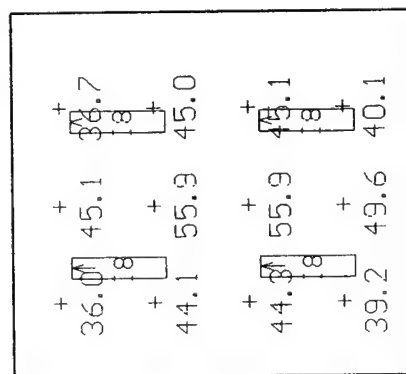
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:46 15-Mar-95
PROJECT: 34-910 AREA: PM OFFICE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=34.5   MAX=51.7   AVE=44.5   AVE/MIN=   1.29 MAX/MIN=   1.50

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61

Y-AXIS

```
16.0   ┌─────────────────────────────────────────┐
       │                                           │
       │    +      +      +      +      +          │
14.0   │  ┌37.8┐ 41.2   41.6  ┌40.0┐ 34.5         │
       │  │     │              │     │             │
       │  │+G8  +      +       │+G8  +             │
12.0   │  │43.6 47.7   48.3   │46.2 39.8          │
       │  │     │              │     │             │
       │  └+────┘      +       └+────┘ +           │
10.0   │   45.7  50.6   51.3   48.7   41.6         │
       │                                           │
       │    +      +      +      +      +          │
 8.0   │   45.7  50.9   51.7   49.0   41.6         │
       │                                           │
       │  ┌+────┐ +      +     ┌+────┐ +           │
 6.0   │  │45.7 │50.6   51.3   │48.7 │41.6         │
       │  │     │              │     │             │
       │  │+G8  +      +       │+G8  +             │
 4.0   │  │43.6 │47.7   48.3   │46.2 │39.8         │
       │  │     │              │     │             │
       │  └+────┘ +      +     └+────┘ +           │
 2.0   │   37.8  41.2   41.6   40.0   34.5         │
       │                                           │
 0.0   └─────────────────────────────────────────┘
```

      0.0   4.0   8.0
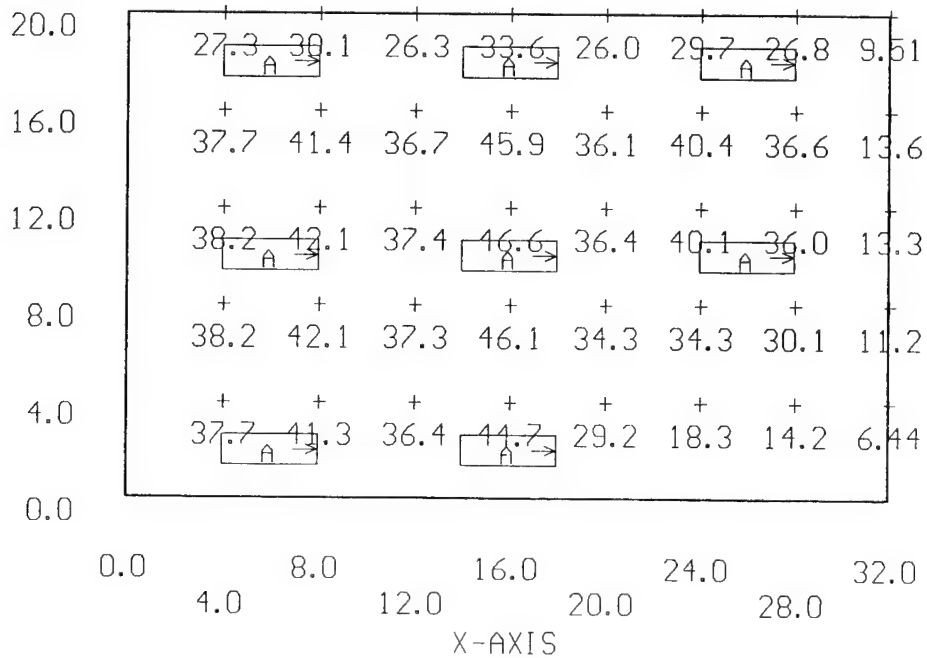   2.0   6.0   10.0
                X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:24 20-Dec-94
PROJECT: 34-910   AREA: PM OFFICE 2   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=49.7   MAX=81.1   AVE=68.1   AVE/MIN=   1.37 MAX/MIN=   1.63

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

16.0							
14.5	+ 52.3	+ 58.4	+ 62.2	+ 63.4	+ 62.2	+ 58.4	+ 52.3
13.0	+ 59.0	+ 66.4 F	+ 70.9	+ 72.3	+ 70.9	+ 66.4 F	+ 59.0
11.5	+ 63.3	+ 71.4	+ 76.4	+ 78.0	+ 76.4	+ 71.4	+ 63.3
10.0	+ 65.3	+ 73.4	+ 78.7	+ 80.4	+ 78.7	+ 73.4	+ 65.3
8.5	+ 65.7	+ 73.8	+ 79.2	+ 81.1	+ 79.2	+ 73.8	+ 65.7
7.0	+ 65.7	+ 73.7	+ 79.2	+ 80.9	+ 79.2	+ 73.7	+ 65.7
5.5	+ 64.9	+ 73.0	+ 78.2	+ 79.8	+ 78.2	+ 73.0	+ 64.9
4.0	+ 62.3	F+ 70.1	+ 75.0	+ 76.4	+ 75.0	F+ 70.1	+ 62.3
2.5	+ 57.0	+ 64.0	+ 68.3	+ 69.5	+ 68.3	+ 64.0	+ 57.0
1.0	+ 49.7	+ 55.3	+ 58.9	+ 59.9	+ 58.9	+ 55.3	+ 49.7

```
       1.0        4.0        7.0       10.0
           2.5        5.5        8.5
              X-AXIS
```
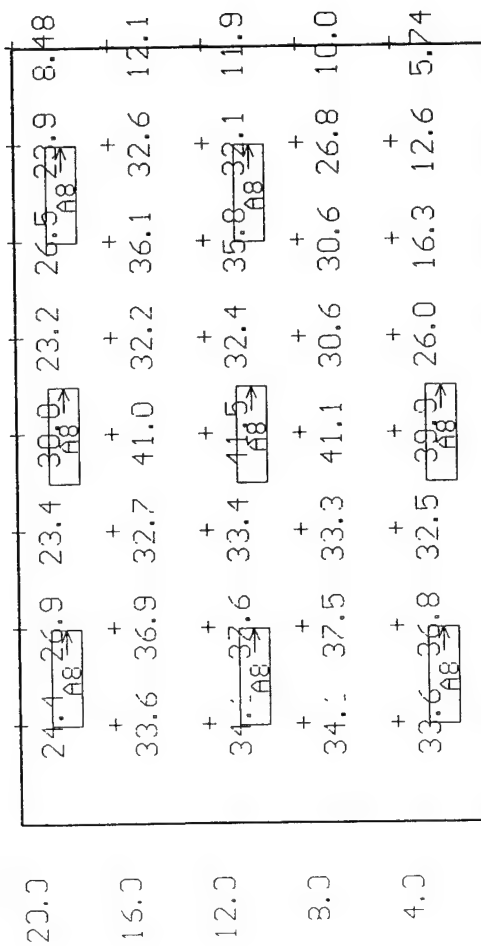
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:50 15-Mar-95
PROJECT: 34-910   AREA: PM OFFICE 2-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=31.1   MAX=51.8   AVE=43.4   AVE/MIN=   1.39 MAX/MIN=   1.67

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61


```
Y-AXIS
 16.0   ┌─────────────────────────────────────────────┐
        │                                             │
        │   +     +     +     +     +     +     +      │
 14.5   │ 32.9  37.0  39.2  39.7  39.2  37.0  32.9     │
        │      ┌──↑──┐                 ┌──↑──┐         │
        │   |  │  |  │  |     |     |  │  |  │  |       │
 13.0   │ 37.5 │42.5 │44.8  45.4  44.8 │42.5 │37.5     │
        │      │ G8  │                 │ G8  │         │
        │   +  │  +  │  +     +     +  │  +  │  +       │
 11.5   │ 40.4 │45.9 │48.7  49.5  48.7 │45.9 │40.4     │
        │      └─────┘                 └─────┘         │
        │   +     +     +     +     +     +     +       │
 10.0   │ 41.6  47.3  50.6  51.4  50.6  47.3  41.6      │
        │                                             │
        │   +     +     +     +     +     +     +       │
  8.5   │ 41.6  47.5  50.9  51.8  50.9  47.5  41.6      │
        │                                             │
        │   +     +     +     +     +     +     +       │
  7.0   │ 41.7  47.4  50.9  51.8  50.9  47.4  41.7      │
        │      ┌──↑──┐                 ┌──↑──┐         │
        │   +  │  +  │  +     +     +  │  +  │  +       │
  5.5   │ 41.4 │47.0 │50.1  50.9  50.1 │47.0 │41.4     │
        │      │ G8  │                 │ G8  │         │
        │   +  │  +  │  +     +     +  │  +  │  +       │
  4.0   │ 39.8 │45.0 │47.7  48.3  47.7 │45.0 │39.8     │
        │      └─────┘                 └─────┘         │
        │   +     +     +     +     +     +     +       │
  2.5   │ 36.1  40.8  43.1  43.6  43.1  40.8  36.1      │
        │                                             │
        │   +     +     +     +     +     +     +       │
  1.0   │ 31.1  35.0  37.1  37.6  37.1  35.0  31.1      │
        └─────────────────────────────────────────────┘
          1.0       4.0       7.0      10.0
              2.5       5.5       8.5
                    X-AXIS
```
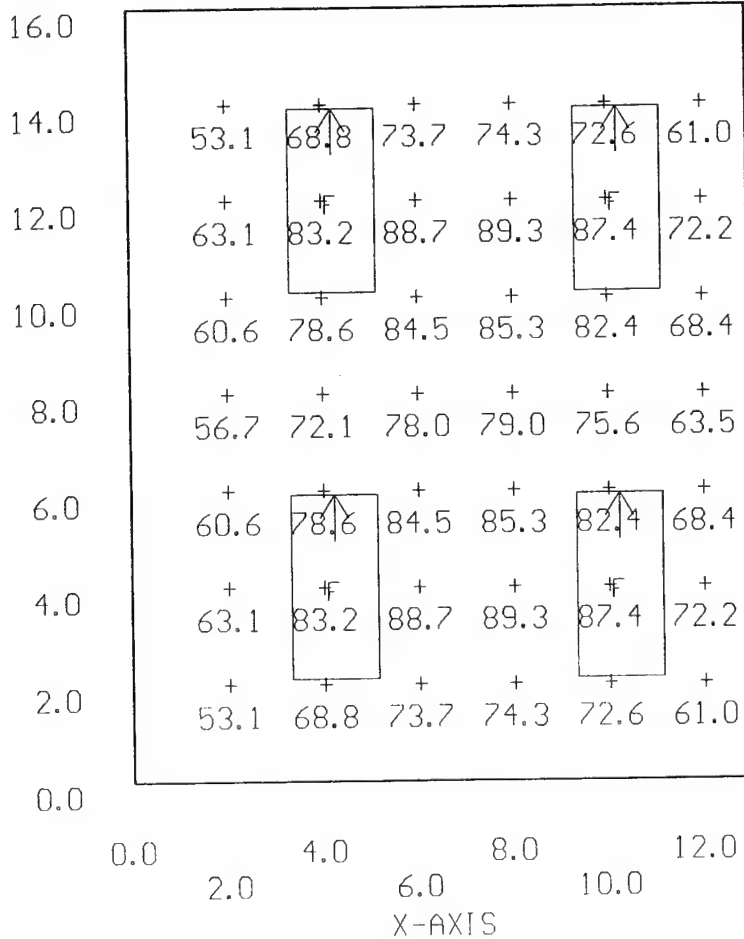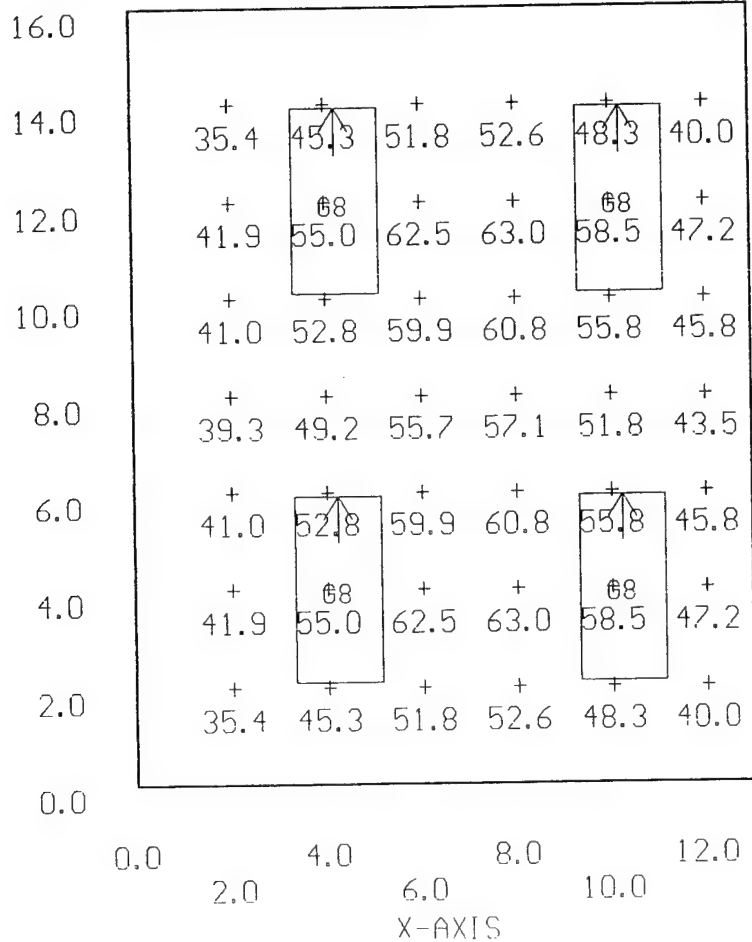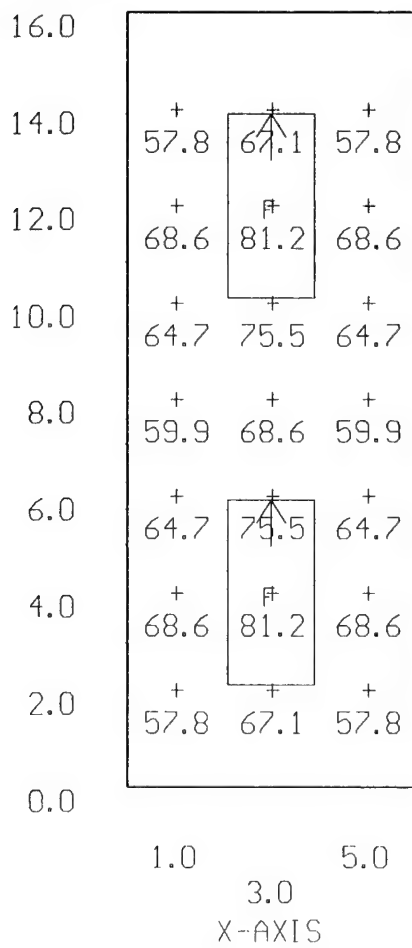
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:33 20-Dec-94
PROJECT: 34-910 AREA: PM OFFICE 3 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=53.6   MAX=81.5   AVE=70.2   AVE/MIN=   1.31 MAX/MIN=   1.52

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
        +      +      +      +      +      +      +
10.0   53.6   62.9   67.1   67.9   67.7   65.6   58.7
               F  →                    F  →

        +      +      +      +      +      +      +
 8.0   60.9   71.8   76.7   77.5   77.3   74.9   67.1


        +      +      +      +      +      +      +
 6.0   63.9   75.0   80.3   81.5   81.3   78.4   70.1


        +      +      +      +      +      +      +
 4.0   62.1   73.0   78.1   79.2   78.9   76.4   68.3
               F  →                    F  →

        +      +      +      +      +      +      +
 2.0   55.7   65.6   70.0   70.7   70.5   68.4   61.4


 0.0

       1.0        5.0        9.0       13.0
          3.0        7.0       11.0       15.0
                     X-AXIS
```
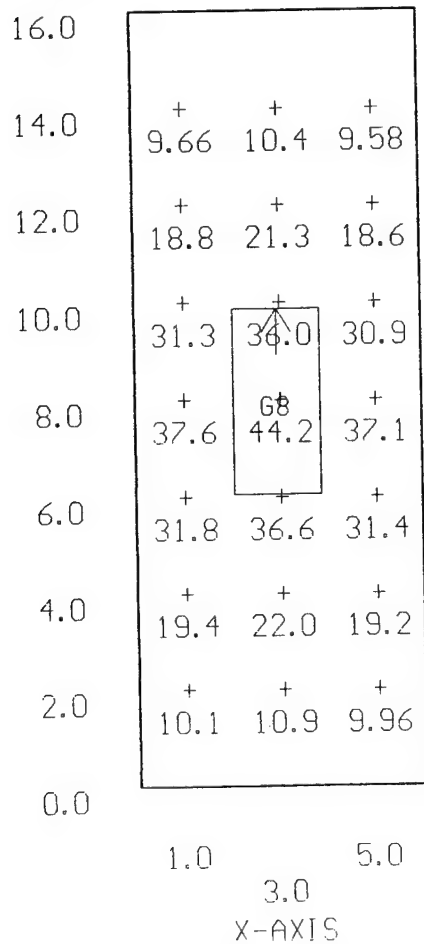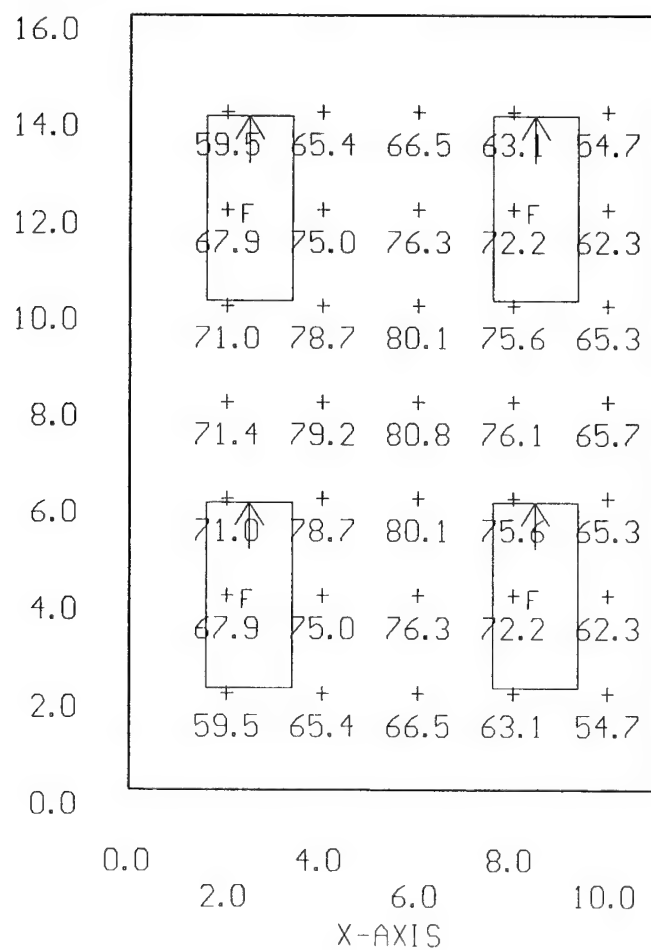
USI's LITE-PRO V2.27E Point-By-Point Numeric Output   16:52 15-Mar-95
PROJECT: 34-910 AREA: PM OFFICE 3-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HCRZ GRID (U), HORZ CALC, Z= 0.0
Computed in accordance with IES recommendations

+ MIN=33.7   MAX=52.0   AVE=44.7   AVE/MIN= 1.33 MAX/MIN= 1.54

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, L_F= 0.61

Y-AXIS

Y			
10.0	33.7 40.0 42.8 41.9 43.1 37.2
	G8 G8
8.0	38.5 45.6 49.1 47.9 49.7 42.5
6.0	40.0 47.2 51.2 49.8 52.0 43.9
4.0	39.1 46.3 50.0 50.6 48.6 43.1
	G8 G8
2.0	35.2 41.9 44.8 45.1 43.8 39.0
0.0	

1.0   5.0   9.0   13.0
   3.0   7.0   11.0   15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:50 20-Dec-94
PROJECT: 34-910 AREA: WO CENTRAL GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.8   MAX=64.4   AVE=48.2   AVE/MIN= 2.02 MAX/MIN=   2.70

B ⟨6⟩ = K9708 COLUMBIA WCW440-A, ⟨4⟩ F40CW, LLF= 0.68

Y-AXIS

```
        +    +    +    +    +    +    +    +    +    +    +    +
26.0   28.0 36.8 42.2 41.6 37.0 33.6 34.8 39.4 42.7 40.1 32.6 23.8

        +    +    +    +    +    +    +    +    +    +    +    +
24.0   33.7 46.2 54.7 53.2 45.8 41.1 42.8 49.8 55.3 51.4 39.9 27.9
              +    +  B →    +    +    +    +  B →    +    +
22.0   36.4 50.7 60.5 58.8 50.1 44.7 46.5 54.6 61.1 56.7 43.5 29.9

        +    +    +    +    +    +    +    +    +    +    +    +
20.0   37.2 51.0 60.4 59.2 51.2 45.9 47.9 55.5 61.2 56.8 44.1 30.5

        +    +    +    +    +    +    +    +    +    +    +    +
18.0   37.8 51.5 59.7 59.0 52.2 46.5 48.6 56.1 60.5 56.5 44.7 31.0

        +    +    +    +    +    +    +    +    +    +    +    +
16.0   38.2 52.2 61.7 60.5 52.6 47.3 49.3 56.9 62.5 58.0 45.2 31.5

        +    +  +   +    +    +    +    +  +   +    +    +
14.0   38.5 53.4 63.B 62.0 53.3 47.8 49.7 57.8 64.B 59.7 45.9 31.8

        +    +    +    +    +    +    +    +    +    +    +    +
12.0   38.4 52.8 62.8 61.4 52.9 47.7 49.6 57.3 63.6 58.9 45.5 31.7

        +    +    +    +    +    +    +    +    +    +    +    +
10.0   37.8 51.6 60.5 59.7 52.5 46.8 48.8 56.4 61.3 57.1 45.1 31.3

        +    +    +    +    +    +    +    +    +    +    +    +
8.0    37.3 51.0 59.8 59.1 51.8 46.2 48.2 55.7 60.6 56.5 44.5 30.8

        +    +    +    +    +    +    +    +    +    +    +    +
6.0    36.8 50.9 60.8 59.2 50.7 45.6 47.4 55.2 61.4 57.0 43.8 30.3
              +  B →    +    +    +    +  B →    +    +
4.0    35.4 49.3 58.8 57.0 48.6 43.3 45.1 53.0 59.3 55.1 42.3 29.1

        +    +    +    +    +    +    +    +    +    +    +    +
2.0    31.2 41.8 48.9 47.8 41.7 37.8 39.3 45.0 49.4 46.1 36.5 26.0

0.0
      0.0      4.0      8.0      12.0     16.0     20.0     24.0
          2.0      6.0     10.0     14.0     18.0     22.0
                              X-AXIS
```
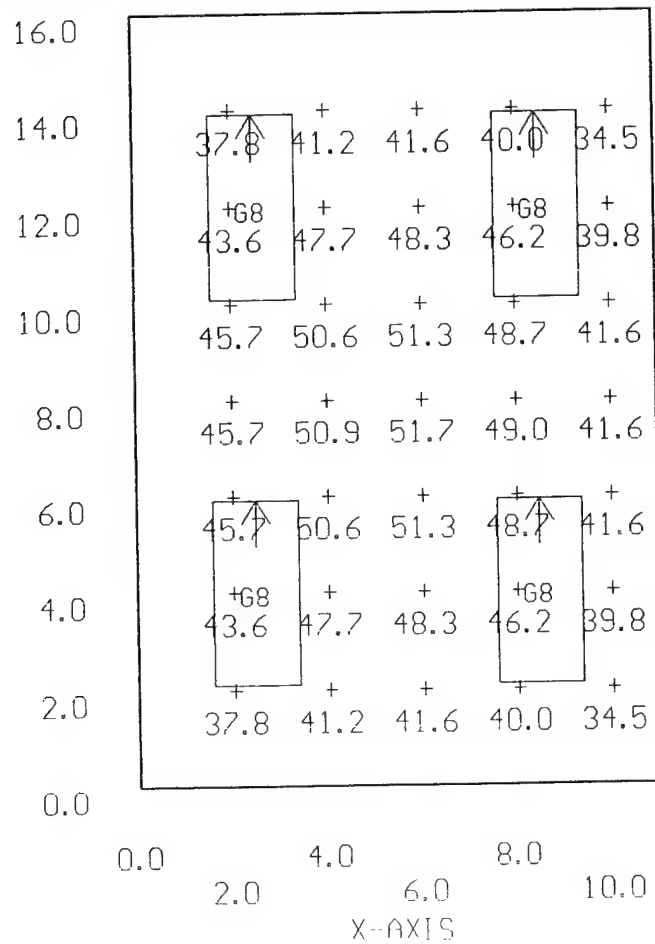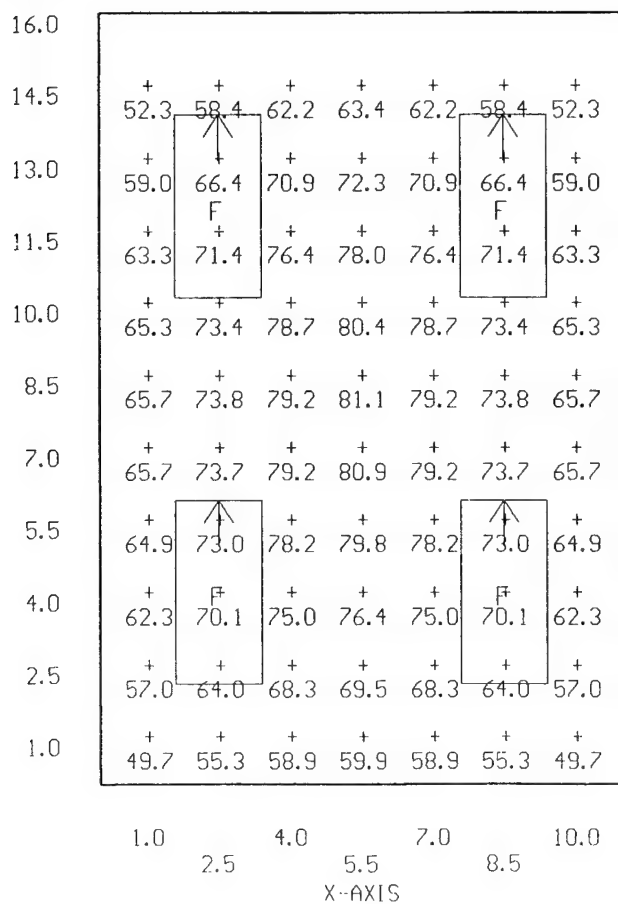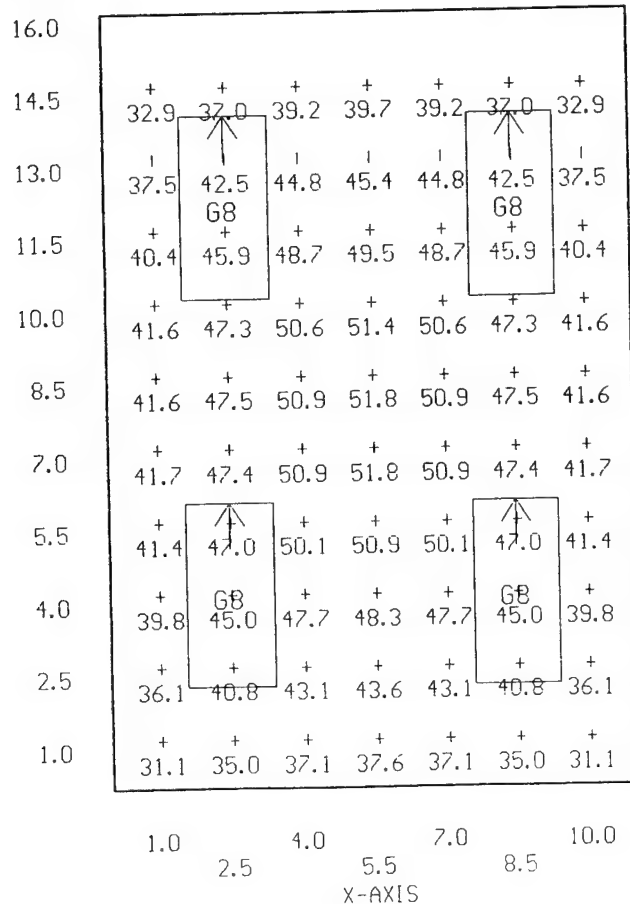
USI's LITE*PRO L2.27E Point-By-Point Numeric Output   16:57 15-Mar-95
PROJECT: 34-910 AREA: WO CENTRAL-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=21.7   MAX=58.7   AVE=43.9   AVE/MIN= 2.02 MAX/MIN= 2.70

B8 ⟨6⟩ = K9708 COLUMBIA WCW440-A, ⟨4⟩ F032/35K, LLF= 0.67

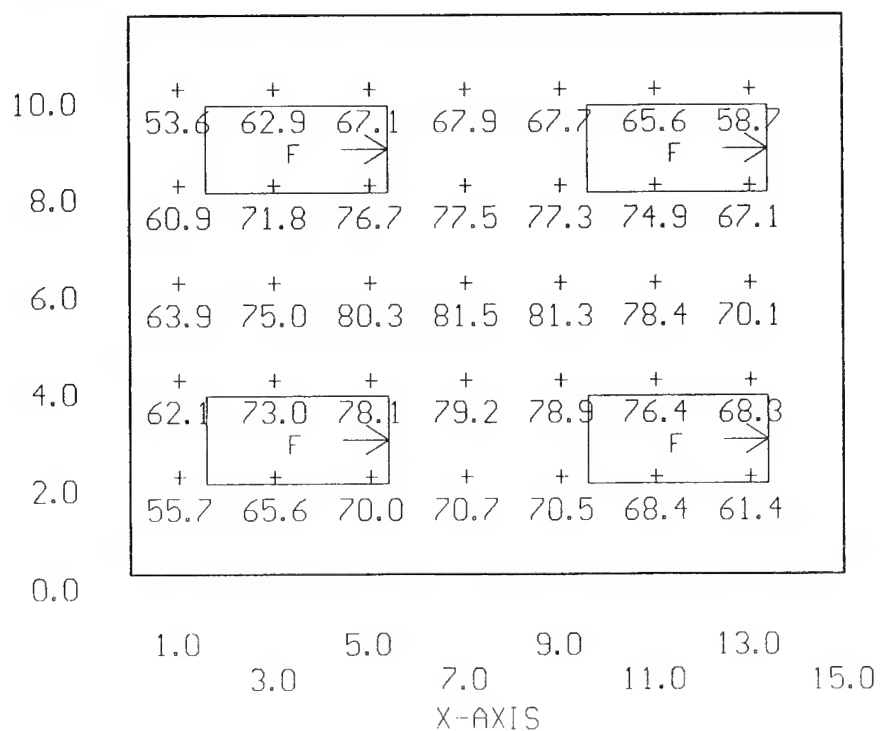CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:58 20-Dec-94
PROJECT: 34-910   AREA: WO CENTRAL ADD   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=42.0   MAX=65.5   AVE=54.8   AVE/MIN=   1.31 MAX/MIN=   1.56

B <2> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68

Y-AXIS

15.0	+ 42.0	+ 48.3	+ 48.3	+ 42.0
13.0	+ 49.6	+ 59.1 B	+ 59.1	+ 49.6
11.0	+ 53.7	+ 64.9	+ 64.9	+ 53.7
9.0	+ 55.4	+ 65.5	+ 65.5	+ 55.4
7.0	+ 55.4	+ 65.5	+ 65.5	+ 55.4
5.0	+ 53.7	+ 64.9 B	+ 64.9	+ 53.7
3.0	+ 49.6	+ 59.1	+ 59.1	+ 49.6
1.0	+ 42.0	+ 48.3	+ 48.3	+ 42.0

```
        1.0          5.0
             3.0          7.0
            X-AXIS
```
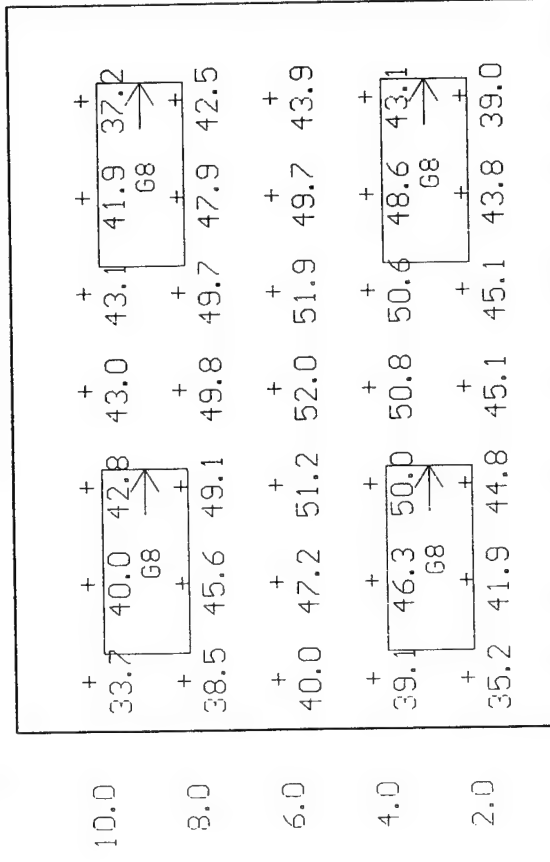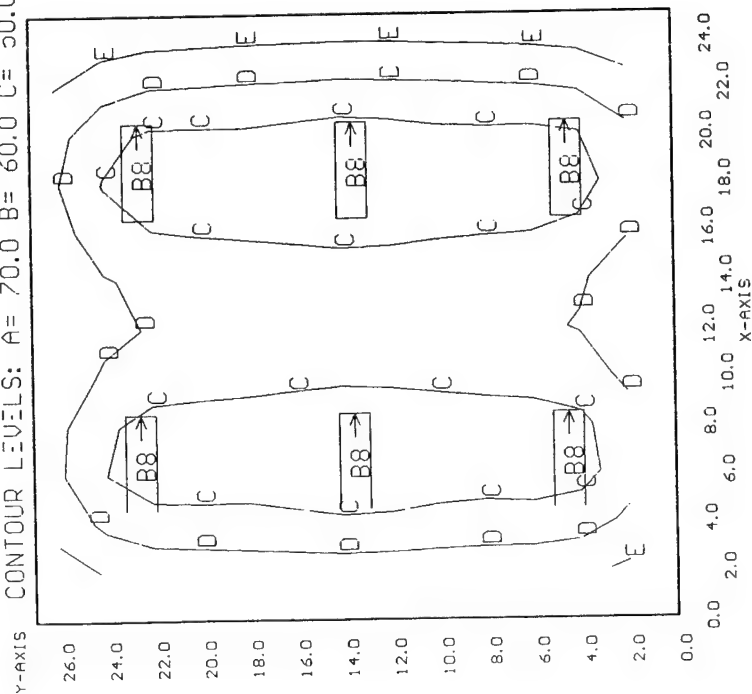
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:59 15-Mar-95
PROJECT: 34-910   AREA: WO CNTRAL ADD-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=38.3   MAX=59.8   AVE=50.0   AVE/MIN=   1.31 MAX/MIN=   1.56

B8 <2> = K9708 COLUMBIA WCW440-A, (4) FO32/35K, LLF= 0.67

Y-AXIS

```
        ┌─────────────────────────────────────┐
        │   +      +      +      +             │
15.0    │ 38.3   44.0   44.0   38.3           │
        │                                     │
        │   |      |      |      |            │
13.0    │ 45.2 ┌ 53.9   53.9 ┐ 45.2           │
        │      │      B8    →│                │
        │   +  └  +      +  ─┘   +            │
11.0    │ 49.0   59.2   59.2   49.0           │
        │                                     │
        │   +      +      +      +             │
 9.0    │ 50.5   59.8   59.8   50.5           │
        │                                     │
        │   +      +      +      +             │
 7.0    │ 50.5   59.8   59.8   50.5           │
        │                                     │
        │   +   ┌  +      +  ┐   +            │
 5.0    │ 49.0 │ 59.2   59.2 │ 49.0           │
        │      │   B8      →  │               │
        │   +  └  +      +  ─┘   +            │
 3.0    │ 45.2   53.9   53.9   45.2           │
        │                                     │
        │   +      +      +      +             │
 1.0    │ 38.3   44.0   44.0   38.3           │
        └─────────────────────────────────────┘

        1.0          5.0
            3.0          7.0
              X-AXIS
```
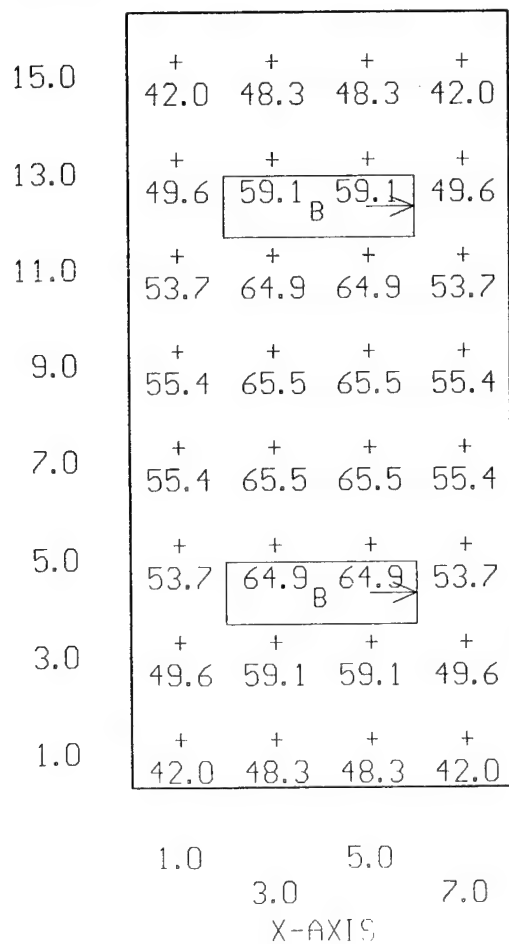
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:21 20-Dec-94
PROJECT: 34-910 AREA: WO OFFICES 1&2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.8   MAX=52.6   AVE=36.9   AVE/MIN= 1.55 MAX/MIN= 2.21

G <4> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

9.0	+ 23.8	+ 27.3	+ 28.3	+ 27.3	+ 23.8
7.0	+ 37.7	+ 43.3	+ 44.6	+ 43.3	+ 37.7
5.0	+ 45.4	G + 51.8	+ 52.6	+ G 51.8	+ 45.4
3.0	+ 37.7	43.3	+ 44.6	43.3	37.7
1.0	+ 23.8	+ 27.3	+ 28.3	+ 27.3	+ 23.8

1.0   5.0   9.0
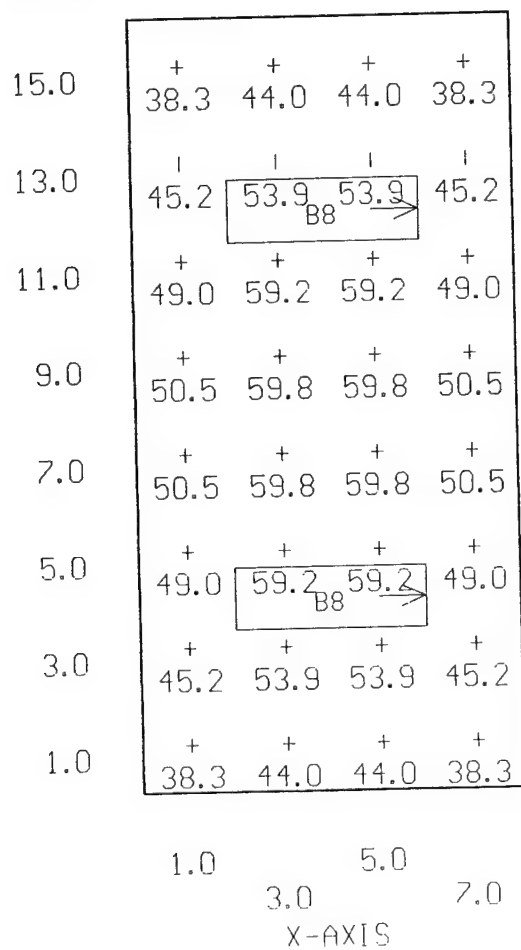   3.0   7.0
       X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:01 15-Mar-95
PROJECT: 34-910   AREA: WO OFFCES 1&2-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.5   MAX=54.7   AVE=37.4   AVE/MIN=   1.59 MAX/MIN=   2.33

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

Y-AXIS

```
        +-------------------------------------+
        |  +      +      +      +      +       |
  9.0   | 23.5   27.2   29.2   27.2   23.5    |
        |   _____        _____     |
  7.0   | 37.4|↑44.5   46.6   44.5|↑37.4      |
        |     |                   |            |
        |  + G8 +      +      + G8 +           |
  5.0   | 45.0   53.8   54.7   53.8   45.0    |
        |     |                   |            |
        |  +  |___ +      +      +___|  +       |
  3.0   | 37.4   44.5   46.6   44.5   37.4    |
        |                                      |
        |  +      +      +      +      +       |
  1.0   | 23.5   27.2   29.2   27.2   23.5    |
        +-------------------------------------+

      1.0          5.0          9.0
          3.0          7.0
            X-AXIS
```
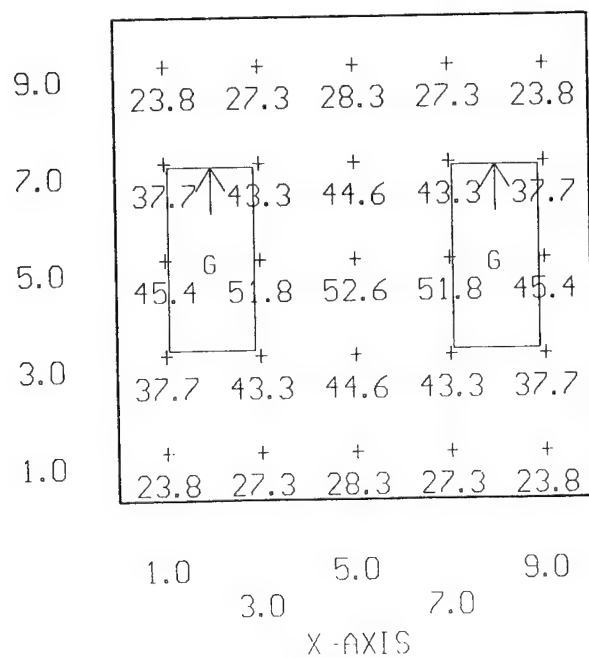
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:28 20-Dec-94
PROJECT: 34-910 AREA: WO HALL GRID: Ceiling
Values are FC, SCALE: 1 IN= 2.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.3   MAX=39.3   AVE=31.5   AVE/MIN=   1.35 MAX/MIN=   1.69

A <1> = K9604 COLUMBIA WCW240-A, (2) F40CW, LLF= 0.68

Y-AXIS

	+	+	+	+	+	+	+	+	+
3.0	23.3	27.6	32.3	36.4	37.8	36.4	32.3	27.6	23.3
2.0	24.0	28.8	33.8	37.8	39.3	37.8	33.8	28.8	24.0
1.0	23.8	28.5	33.3	37.3	38.7	37.3	33.3	28.5	23.8

0.0

0.0   2.0   4.0   6.0   8.0   10.0
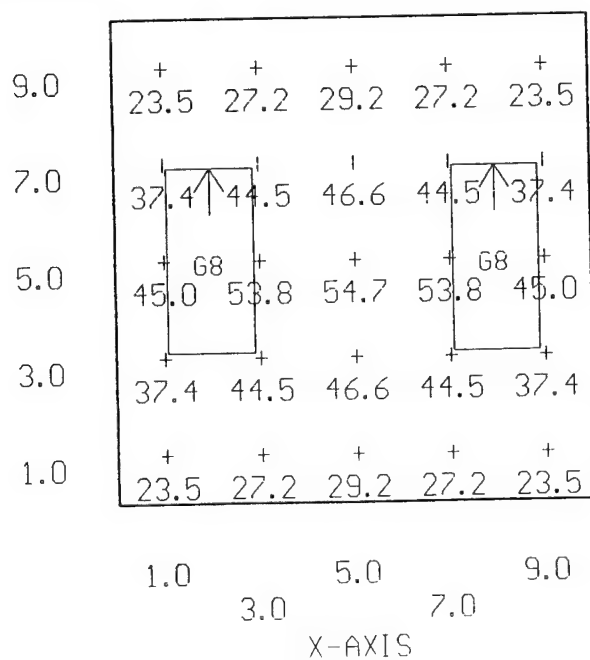   1.0   3.0   5.0   7.0   9.0
              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:02 15-Mar-95
PROJECT: 34-910 AREA: WO HALL-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 2.0FT, HORZ GRID (U), HORZ CA_C, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.7   MAX=35.0   AVE=28.1   AVE/MIN=   1.35 MAX/MIN=   1.69

A8 <1> = K9604 COLUMBIA WCW240-A, (2) FO32/35K, LLF= 0.66

Y-AXIS

```
      +      +      +      +      +      +      +      +
3.0  20.7   24.7   28.8   32.5   33.7   32.5   28.8   24.7   20.7

      +      +      +      +      +      +      +      +
2.0  21.4   25.7   30.1   33.7   30.0   33.7   30.1   25.7   21.4

      +      +      +      +      +      +      +      +
1.0  21.2   25.4   29.7   33.3   34.5   33.3   29.7   25.4   21.2

0.0
    0.0   1.0   2.0   3.0   4.0   5.0   6.0   7.0   8.0   9.0  10.0
                                X-AXIS
```
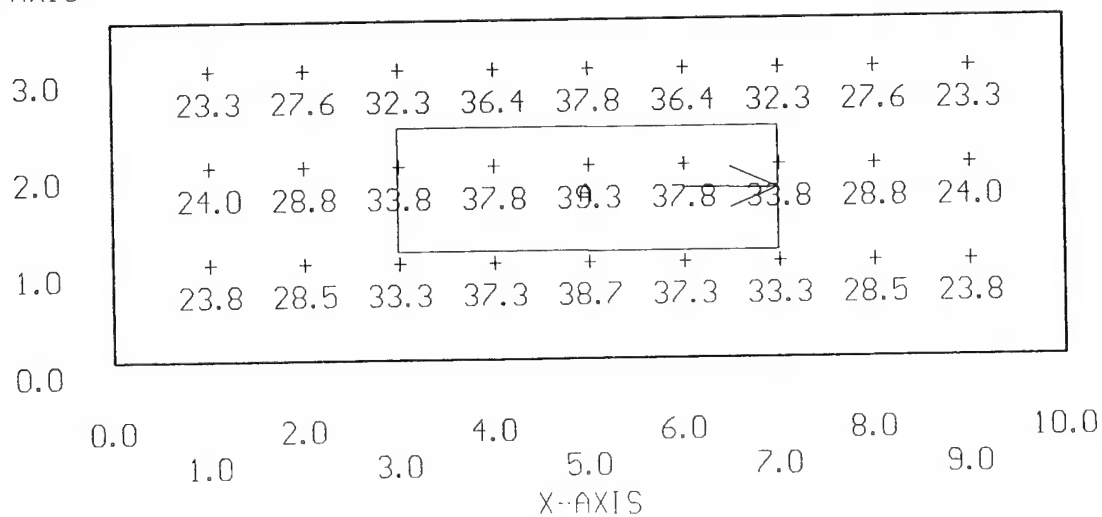
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:37 20-Dec-94
PROJECT: 34-910   AREA: WO OFFICE 3   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=39.0   MAX=61.0   AVE=50.2   AVE/MIN=   1.29 MAX/MIN=   1.56

G <4> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

17.0	+ 40.7	+ 44.4	+ 45.4	+ 44.4	+ 40.7
15.0	53.0 G	58.7	+ 59.6	58.7 G	53.0
13.0	53.4	59.8	+ 61.0	59.8	53.4
11.0	+ 44.3	+ 49.4	+ 50.8	+ 49.4	+ 44.3
9.0	+ 39.0	+ 43.2	+ 44.3	+ 43.2	+ 39.0
7.0	+ 44.3	+ 49.4	+ 50.8	+ 49.4	+ 44.3
5.0	53.4 G	59.8	+ 61.0	59.8 G	53.4
3.0	53.0	58.7	+ 59.6	58.7	53.0
1.0	+ 40.7	+ 44.4	+ 45.4	+ 44.4	+ 40.7

       1.0   5.0   9.0
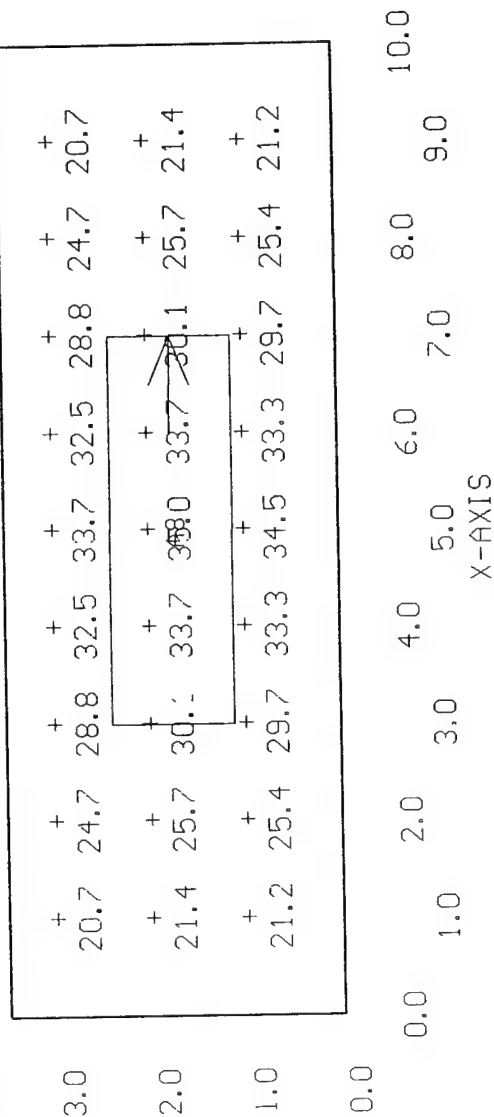   3.0   7.0
              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:06 15-Mar-95
PROJECT: 34-910   AREA: WO OFFICE 3-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=37.2   MAX=61.5   AVE=49.1   AVE/MIN=   1.32 MAX/MIN=   1.65

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

Y-AXIS

```
        ┌──────────────────────────────────────┐
17.0    │   +      +      +      +      +       │
        │ 38.7   43.4   45.7   43.4   38.7      │
        │    ┌────↑────┐        ┌────↑────┐     │
15.0    │ 50.8   59.0   60.3   59.0   50.8      │
        │     G8                  G8            │
13.0    │ 51.1   59.9   61.5   59.9   51.1      │
        │    └─────────┘        └─────────┘     │
11.0    │   +      +      +      +      +       │
        │ 42.1   48.2   50.7   48.2   42.1      │
9.0     │   +      +      +      +      +       │
        │ 37.2   41.4   43.9   41.4   37.2      │
7.0     │   +      +      +      +      +       │
        │ 42.1   48.2   50.7   48.2   42.1      │
        │    ┌────↑────┐        ┌────↑────┐     │
5.0     │ 51.1   59.9   61.5   59.9   51.1      │
        │     G8                  G8            │
3.0     │ 50.8   59.0   60.3   59.0   50.8      │
        │    └─────────┘        └─────────┘     │
1.0     │   +      +      +      +      +       │
        │ 38.7   43.4   45.7   43.4   38.7      │
        └──────────────────────────────────────┘
```

         1.0   5.0   9.0
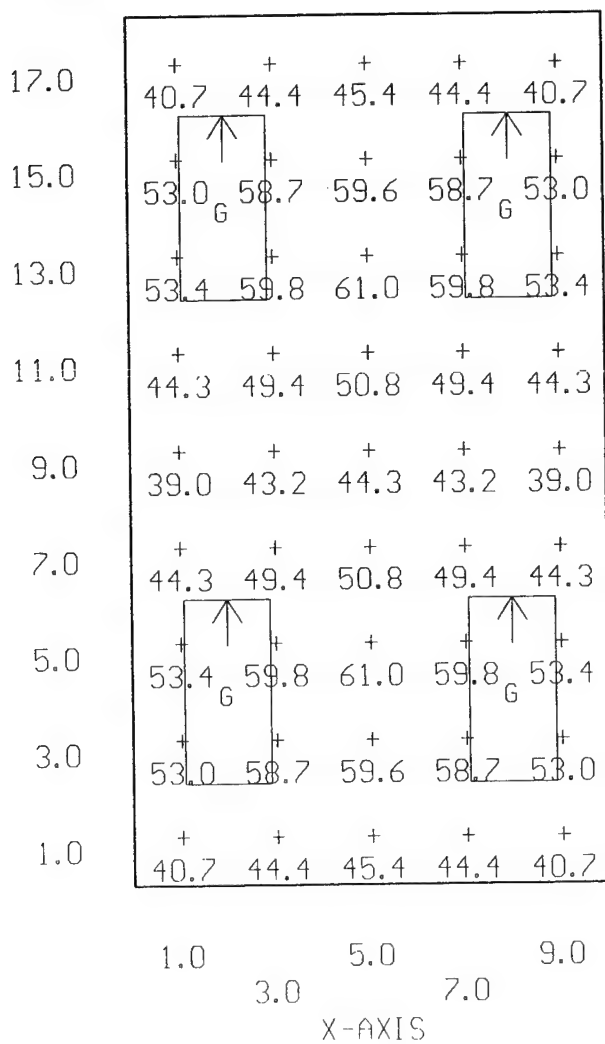   3.0   7.0
                  X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:50 20-Dec-94
PROJECT: 34-910 AREA: WO COPY ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.0   MAX=62.6   AVE=39.6   AVE/MIN= 2.33 MAX/MIN= 3.68

F <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
       16.0    +     +     +     +     +     +
               17.0  25.7  35.1  36.3  28.2  18.9

       14.0    +     +     +     +     +     +
               22.4  37.2  51.5  53.6  41.2  25.6

       12.0    +     +     +  F  +     +     +
               25.1  42.7  60.1  62.6  47.7  29.0

       10.0    +     +     +     +     +     +
               25.1  41.3  56.4  58.6  45.7  28.7

        8.0    +     +     +     +     +     +
               24.6  39.8  53.8  55.7  43.9  27.9

        6.0    +     +     +     +     +     +
               25.3  42.0  52.8  60.2  46.5  29.0

        4.0    +     +     +  F  +     +     +
               24.7  42.1  59.3  61.8  47.0  28.5

        2.0    +     +     +     +     +     +
               21.2  34.6  47.6  49.5  38.3  24.1

        0.0

            1.0       5.0       9.0
                 3.0       7.0       11.0
                    X-AXIS
```
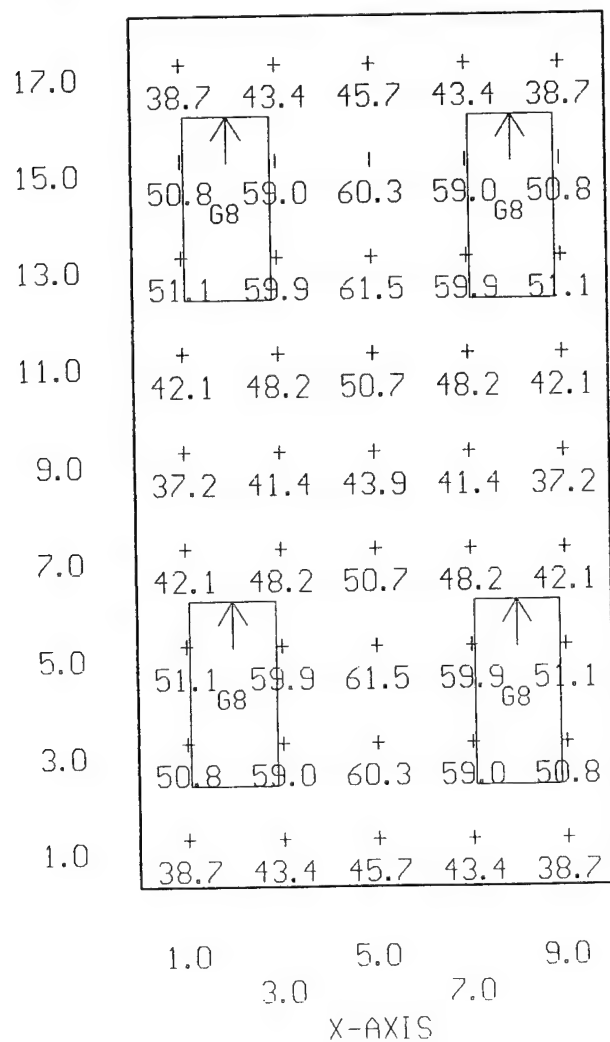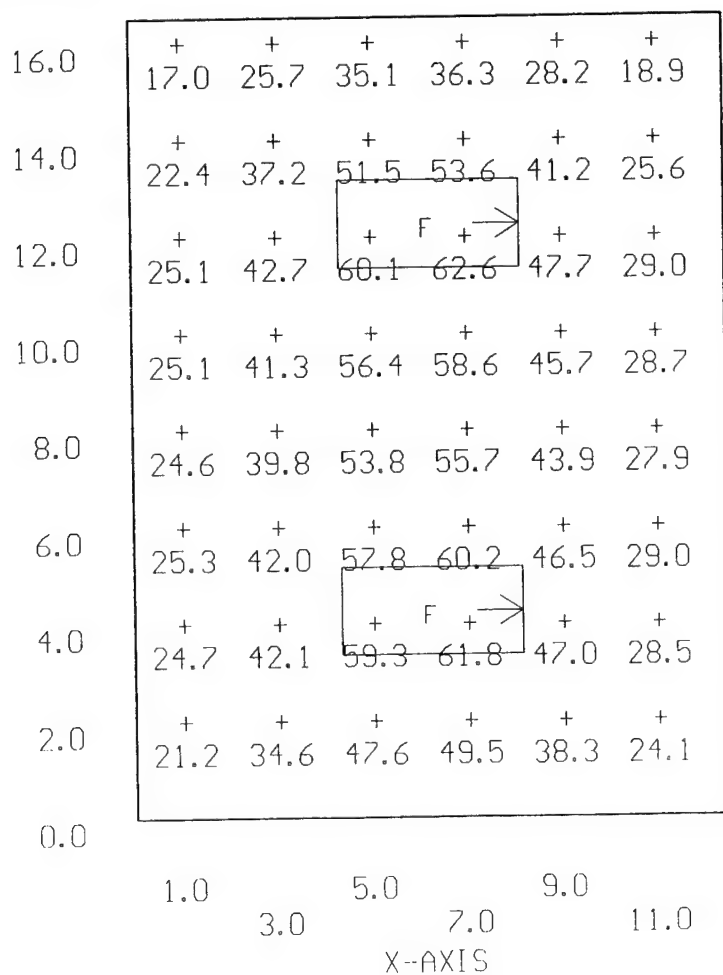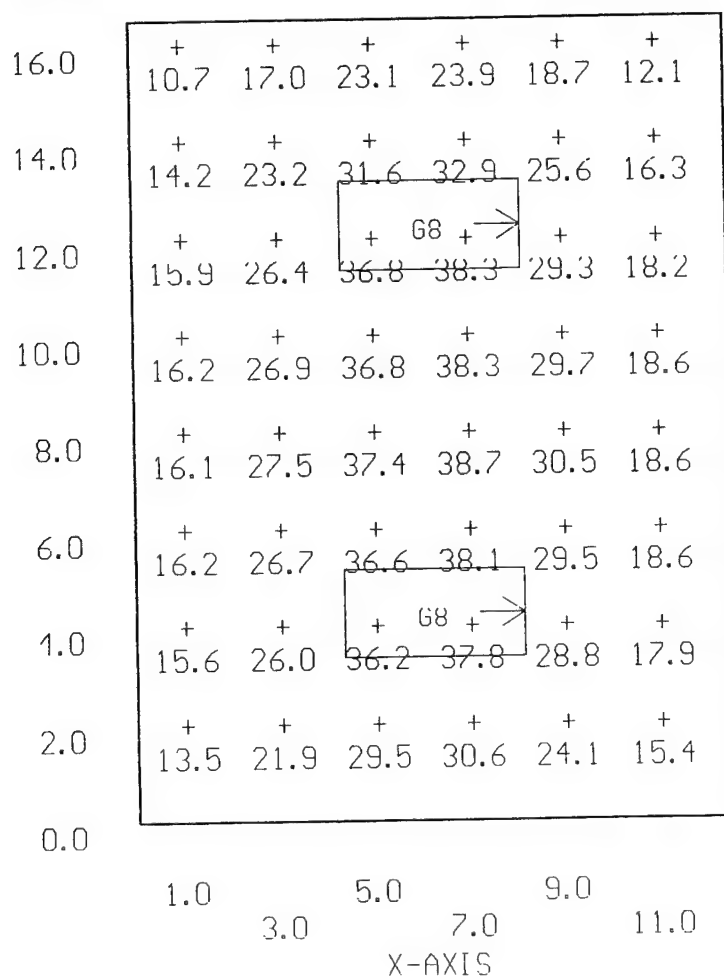
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:07 15-Mar-95
PROJECT: 34-910   AREA: WO COPY ROOM-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.7   MAX=38.7   AVE=25.3   AVE/MIN=   2.35 MAX/MIN=   3.61

G8 <2> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

Y-AXIS

16.0	+ 10.7	+ 17.0	+ 23.1	+ 23.9	+ 18.7	+ 12.1
14.0	+ 14.2	+ 23.2	+ 31.6	+ 32.9	+ 25.6	+ 16.3
12.0	+ 15.9	+ 26.4	36.8	G8 + → 38.3	+ 29.3	+ 18.2
10.0	+ 16.2	+ 26.9	+ 36.8	+ 38.3	+ 29.7	+ 18.6
8.0	+ 16.1	+ 27.5	+ 37.4	+ 38.7	+ 30.5	+ 18.6
6.0	+ 16.2	+ 26.7	+ 36.6	38.1	+ 29.5	+ 18.6
4.0	+ 15.6	+ 26.0	36.2	G8 + → 37.8	+ 28.8	+ 17.9
2.0	+ 13.5	+ 21.9	+ 29.5	+ 30.6	+ 24.1	+ 15.4
0.0						

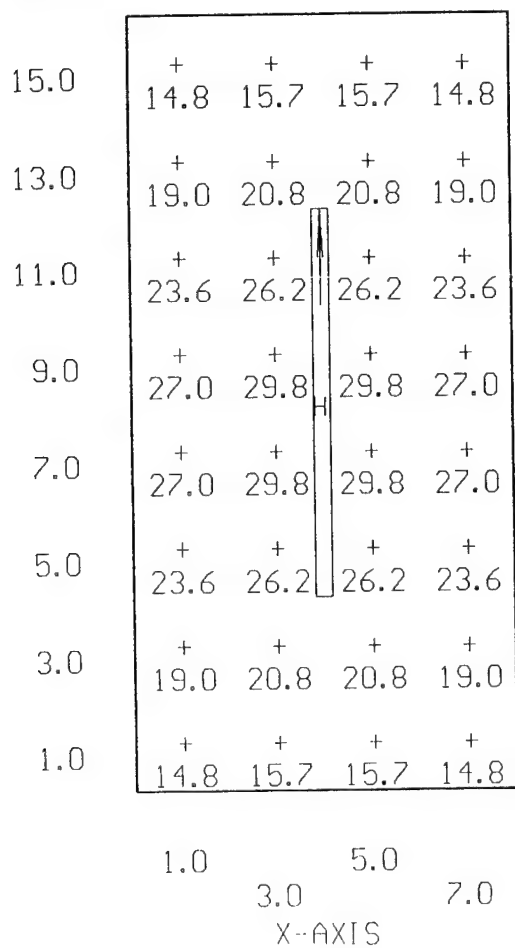| 1.0	5.0	9.0
3.0	7.0	11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:06 20-Dec-94
PROJECT: 34-910   AREA: WO STORAGE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.8   MAX=29.8   AVE=22.1   AVE/MIN=   1.49 MAX/MIN=   2.02

H <1> = K7994 COLUMBIA CS296, (2) F96T12/CW/WM, LLF= 0.74

Y-AXIS

15.0	+ 14.8	+ 15.7	+ 15.7	+ 14.8
13.0	+ 19.0	+ 20.8	+ 20.8	+ 19.0
11.0	+ 23.6	+ 26.2	+ 26.2	+ 23.6
9.0	+ 27.0	+ 29.8	+ 29.8	+ 27.0
7.0	+ 27.0	+ 29.8	+ 29.8	+ 27.0
5.0	+ 23.6	+ 26.2	+ 26.2	+ 23.6
3.0	+ 19.0	+ 20.8	+ 20.8	+ 19.0
1.0	+ 14.8	+ 15.7	+ 15.7	+ 14.8

      1.0   5.0
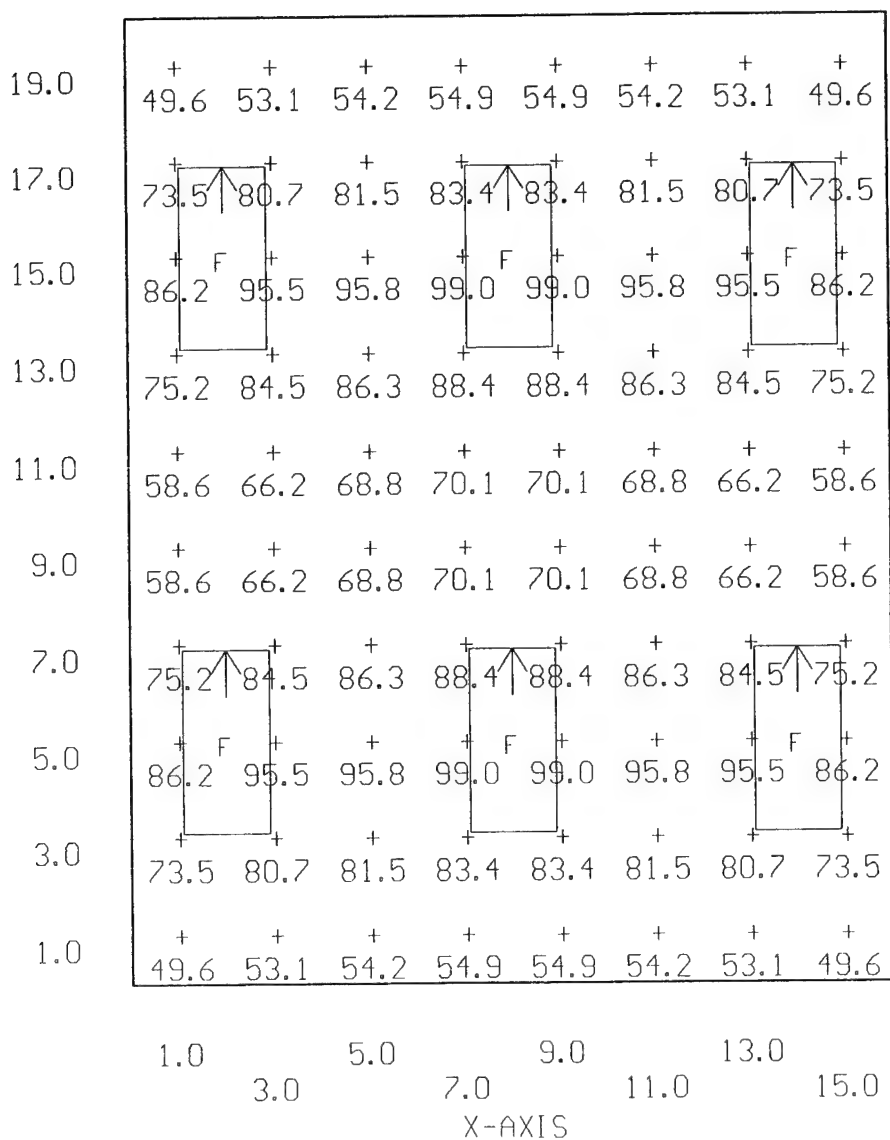   3.0   7.0
         X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:15 20-Dec-94
PROJECT: 34-910   AREA: WO BREAK ROOM   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=49.6   MAX=99.0   AVE=75.3   AVE/MIN= 1.52 MAX/MIN=   1.99

F <6> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
          +     +     +     +     +     +     +     +
19.0    49.6  53.1  54.2  54.9  54.9  54.2  53.1  49.6

17.0    73.5  80.7  81.5  83.4  83.4  81.5  80.7  73.5

15.0    86.2  95.5  95.8  99.0  99.0  95.8  95.5  86.2

13.0    75.2  84.5  86.3  88.4  88.4  86.3  84.5  75.2

          +     +     +     +     +     +     +     +
11.0    58.6  66.2  68.8  70.1  70.1  68.8  66.2  58.6

          +     +     +     +     +     +     +     +
9.0     58.6  66.2  68.8  70.1  70.1  68.8  66.2  58.6

7.0     75.2  84.5  86.3  88.4  88.4  86.3  84.5  75.2

5.0     86.2  95.5  95.8  99.0  99.0  95.8  95.5  86.2

3.0     73.5  80.7  81.5  83.4  83.4  81.5  80.7  73.5

          +     +     +     +     +     +     +     +
1.0     49.6  53.1  54.2  54.9  54.9  54.2  53.1  49.6
```

```
     1.0         5.0         9.0        13.0
          3.0         7.0        11.0        15.0
                    X-AXIS
```
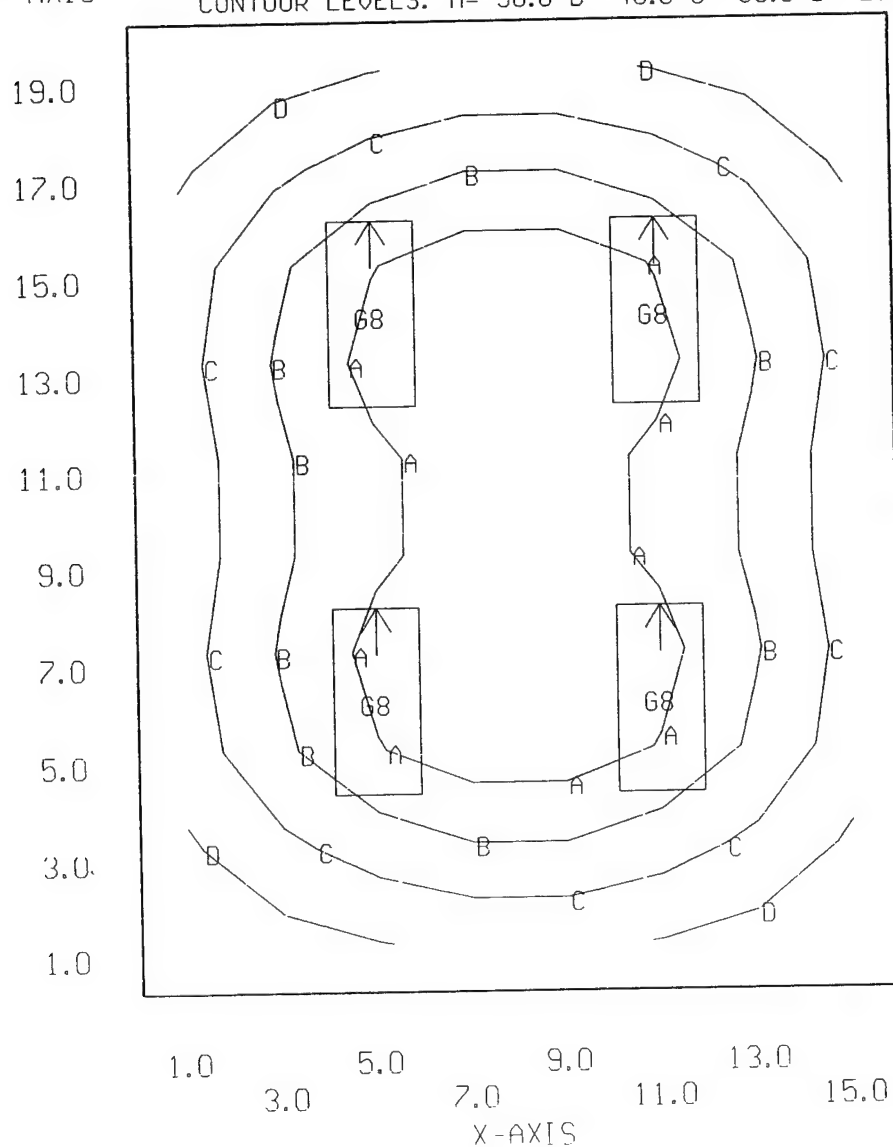
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:10 15-Mar-95
PROJECT: 34-910   AREA: WO BREAK ROOM-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.6   MAX=59.4   AVE=35.2   AVE/MIN=   3.02 MAX/MIN=   5.10

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0
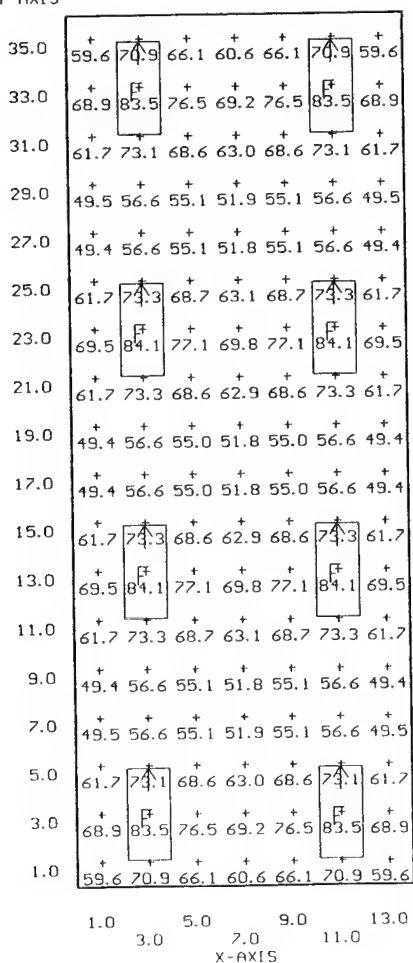

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:23 20-Dec-94
PROJECT: 34-910 AREA: WO SECRETARY GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=49.4   MAX=84.1   AVE=64.2   AVE/MIN= 1.30 MAX/MIN=   1.70

F <8> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
35.0    59.6  70.9  66.1  60.6  66.1  70.9  59.6
33.0    68.9  83.5  76.5  69.2  76.5  83.5  68.9
31.0    61.7  73.1  68.6  63.0  68.6  73.1  61.7
29.0    49.5  56.6  55.1  51.9  55.1  56.6  49.5
27.0    49.4  56.6  55.1  51.8  55.1  56.6  49.4
25.0    61.7  73.3  68.7  63.1  68.7  73.3  61.7
23.0    69.5  84.1  77.1  69.8  77.1  84.1  69.5
21.0    61.7  73.3  68.6  62.9  68.6  73.3  61.7
19.0    49.4  56.6  55.0  51.8  55.0  56.6  49.4
17.0    49.4  56.6  55.0  51.8  55.0  56.6  49.4
15.0    61.7  73.3  68.6  62.9  68.6  73.3  61.7
13.0    69.5  84.1  77.1  69.8  77.1  84.1  69.5
11.0    61.7  73.3  68.7  63.1  68.7  73.3  61.7
 9.0    49.4  56.6  55.1  51.8  55.1  56.6  49.4
 7.0    49.5  56.6  55.1  51.9  55.1  56.6  49.5
 5.0    61.7  73.1  68.6  63.0  68.6  73.1  61.7
 3.0    68.9  83.5  76.5  69.2  76.5  83.5  68.9
 1.0    59.6  70.9  66.1  60.6  66.1  70.9  59.6

         1.0      5.0      9.0      13.0
            3.0      7.0      11.0
                  X-AXIS
```
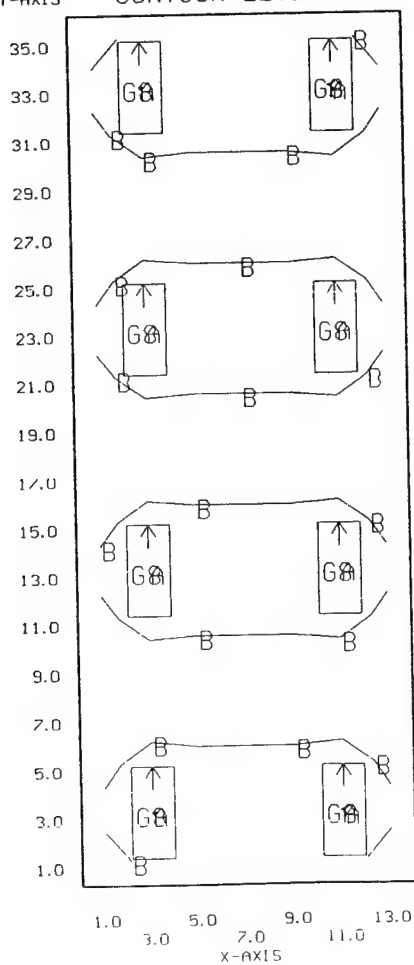
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:12 15-Mar-95
PROJECT: 34-910   AREA: WO SECRETARY-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=31.3   MAX=50.2   AVE=40.2   AVE/MIN=   1.28 MAX/MIN=   1.60

G8 <8> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.61

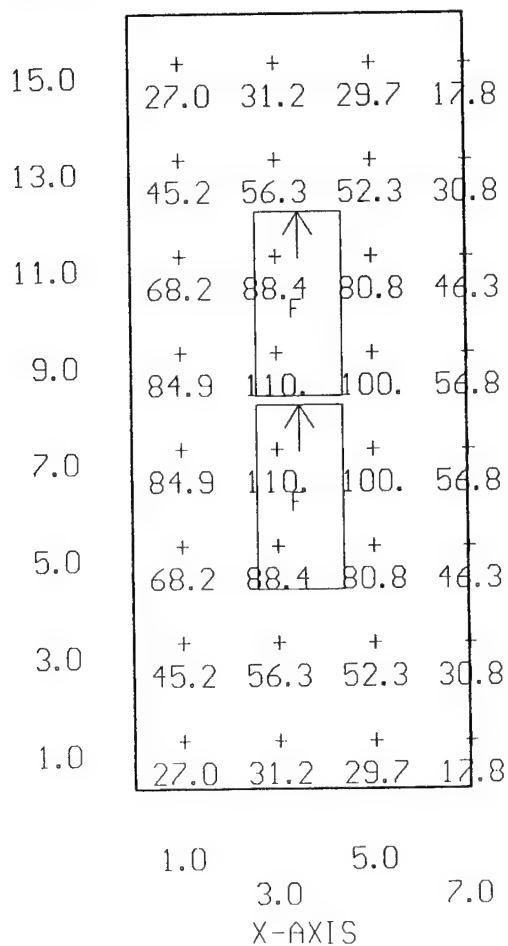Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:29 20-Dec-94
PROJECT: 34-910 AREA: WO SEC. ALCOVE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.8   MAX=110.   AVE=57.9   AVE/MIN= 3.25 MAX/MIN=   6.18

F <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
          |
15.0      |  +     +     +     +
          | 27.0  31.2  29.7  17.8
          |
13.0      |  +     +     +     +
          | 45.2  56.3  52.3  30.8
          |       ___↑___
11.0      |  +   | +  |  +     +
          | 68.2 |88.4| 80.8  46.3
          |      | F  |
9.0       |  +   | +  |  +     +
          | 84.9 |110.| 100.  56.8
          |      |__↑_|
7.0       |  +   | +  |  +     +
          | 84.9 |110.| 100.  56.8
          |      | F  |
5.0       |  +   | +__|  +     +
          | 68.2  88.4  80.8  46.3
          |
3.0       |  +     +     +     +
          | 45.2  56.3  52.3  30.8
          |
1.0       |  +     +     +     +
          | 27.0  31.2  29.7  17.8
```

        1.0   5.0
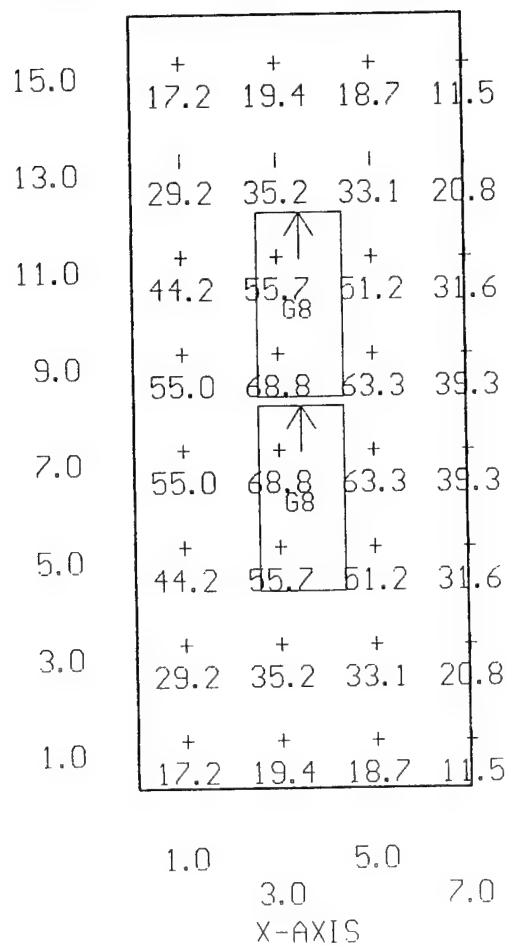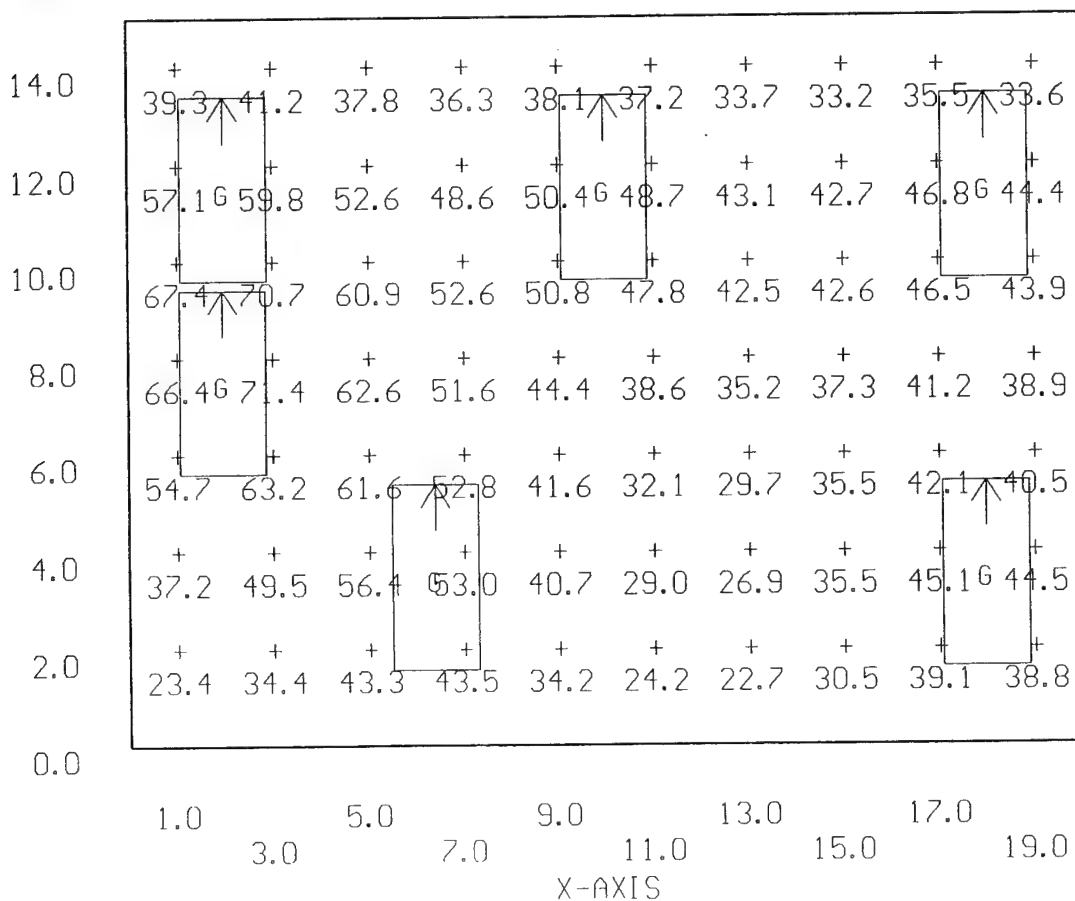   3.0   7.0
          X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:14 15-Mar-95
PROJECT: 34-910   AREA: SEC. ALCOVE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.5   MAX=68.8   AVE=37.1   AVE/MIN=   3.24 MAX/MIN=   6.01

G8 <2> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61

Y-AXIS

```
          +      +      +      +
15.0     17.2   19.4   18.7   11.5

          |      |      |
13.0     29.2   35.2   33.1   20.8
                   ↑
          +      + |    +
11.0     44.2   55.7  51.2   31.6
                  G8
          +      +      +
9.0      55.0   68.8   63.3   39.3
                   ↑
          +      + |    +
7.0      55.0   68.8   63.3   39.3
                  G8
          +      +      +
5.0      44.2   55.7   51.2   31.6

          +      +      +
3.0      29.2   35.2   33.1   20.8

          +      +      +
1.0      17.2   19.4   18.7   11.5


         1.0           5.0
              3.0           7.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:02 20-Dec-94
PROJECT: 34-910 AREA: WO MICROFICHE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.7   MAX=71.4   AVE=44.0   AVE/MIN= 1.94 MAX/MIN= 3.15

G <6> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

```
        +      +       +      +      +      +      +      +      +      +
14.0  39.3  41.2  37.8  36.3  38.1  37.2  33.7  33.2  35.5  33.6

        +      +       +      +      +      +      +      +      +      +
12.0  57.1G 59.8  52.6  48.6  50.4G 48.7  43.1  42.7  46.8G 44.4

        +      +       +      +      +      +      +      +      +      +
10.0  67.4  70.7  60.9  52.6  50.8  47.8  42.5  42.6  46.5  43.9

        +      +       +      +      +      +      +      +      +      +
 8.0  66.4G 71.4  62.6  51.6  44.4  38.6  35.2  37.3  41.2  38.9

        +      +       +      +      +      +      +      +      +      +
 6.0  54.7  63.2  61.6  52.8  41.6  32.1  29.7  35.5  42.1  40.5

        +      +       +      +      +      +      +      +      +      +
 4.0  37.2  49.5  56.4  53.0  40.7  29.0  26.9  35.5  45.1G 44.5

        +      +       +      +      +      +      +      +      +      +
 2.0  23.4  34.4  43.3  43.5  34.2  24.2  22.7  30.5  39.1  38.8

 0.0

      1.0      5.0      9.0      13.0      17.0
         3.0      7.0      11.0      15.0      19.0
                      X-AXIS
```
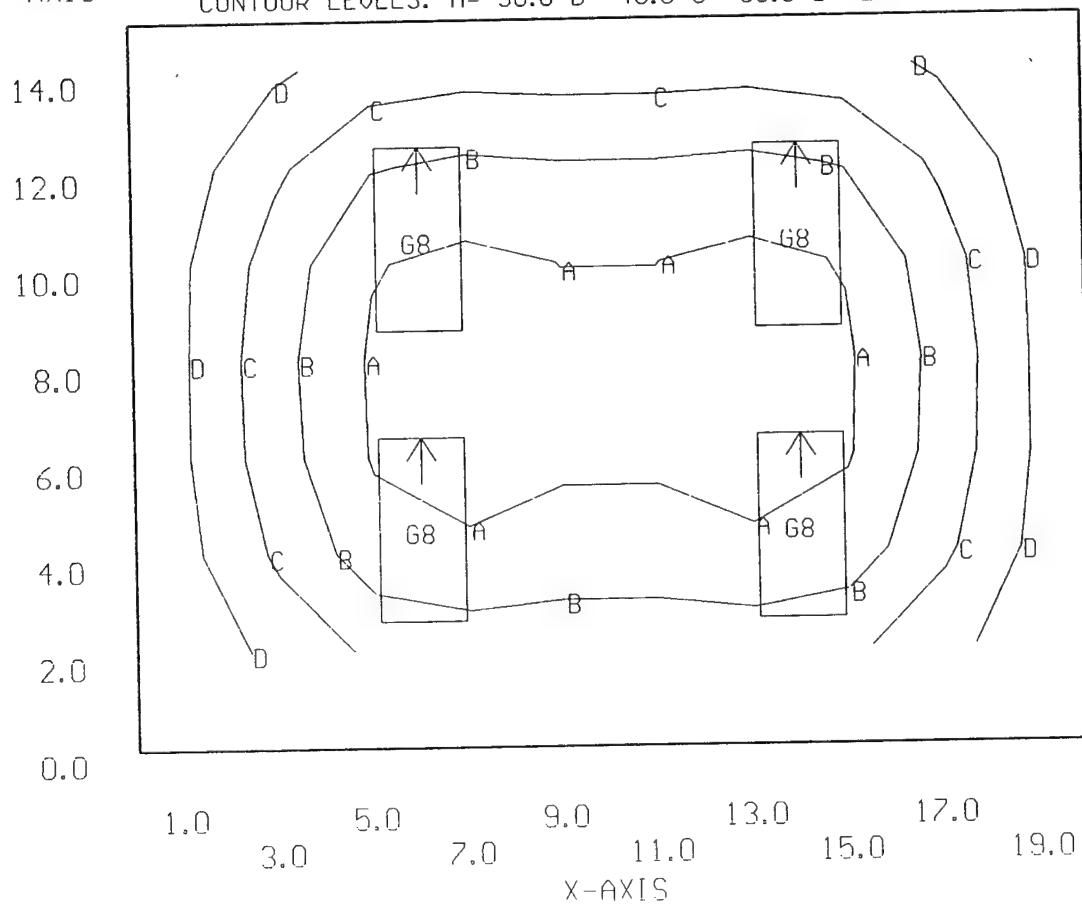
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:17 15-Mar-95
PROJECT: 34-910   AREA: MICROFICHE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.85   MAX=54.4   AVE=35.0   AVE/MIN=   3.55 MAX/MIN=   5.53

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61

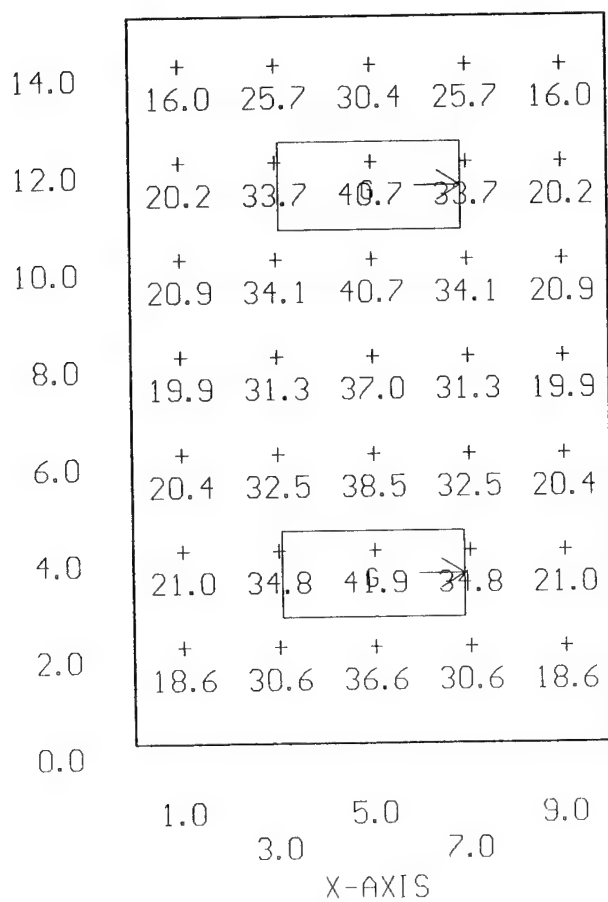Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:08 20-Dec-94
PROJECT: 34-910   AREA: WO MIC STORAGE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.0   MAX=41.9   AVE=28.2   AVE/MIN=   1.76 MAX/MIN=   2.62

G <2> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

```
         +      +      +      +      +
14.0   16.0   25.7   30.4   25.7   16.0

         +      +      +      +      +
12.0   20.2   33.7   40.7   33.7   20.2

         +      +      +      +      +
10.0   20.9   34.1   40.7   34.1   20.9

         +      +      +      +      +
 8.0   19.9   31.3   37.0   31.3   19.9

         +      +      +      +      +
 6.0   20.4   32.5   38.5   32.5   20.4

         +      +      +      +      +
 4.0   21.0   34.8   46.9   34.8   21.0

         +      +      +      +      +
 2.0   18.6   30.6   36.6   30.6   18.6

 0.0
```

```
       1.0          5.0          9.0
            3.0          7.0
              X-AXIS
```
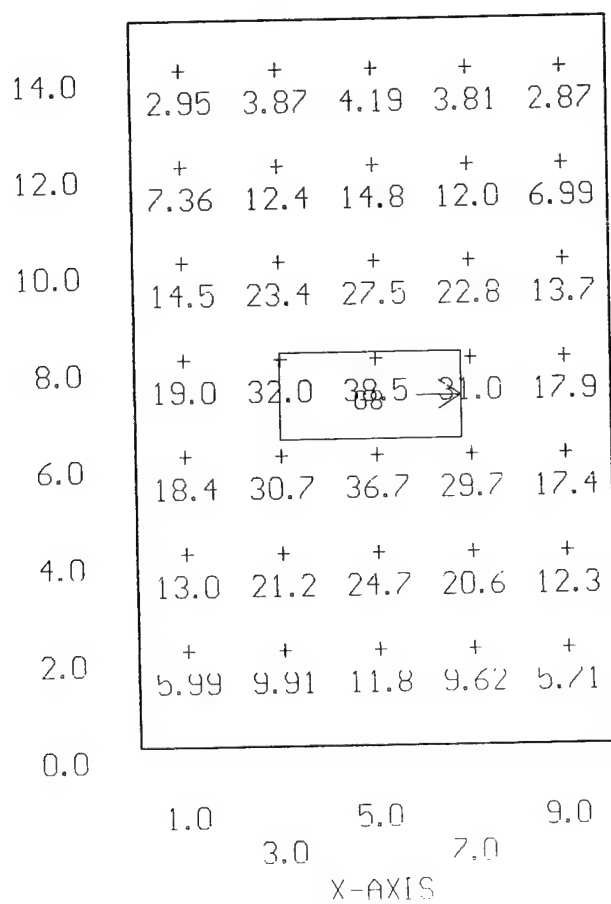
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:19 15-Mar-95
PROJECT: 34-910   AREA: MIC STORAGE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.87   MAX=38.5   AVE=16.6   AVE/MIN=   5.76 MAX/MIN=   13.40

G8 <1> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.61

Y-AXIS

```
          +       +       +       +       +
14.0     2.95    3.87    4.19    3.81    2.87

          +       +       +       +       +
12.0     7.36    12.4    14.8    12.0    6.99

          +       +       +       +       +
10.0     14.5    23.4    27.5    22.8    13.7

          +       +       +       +       +
 8.0     19.0    32.0    38.5 → 31.0    17.9
                         G8

          +       +       +       +       +
 6.0     18.4    30.7    36.7    29.7    17.4

          +       +       +       +       +
 4.0     13.0    21.2    24.7    20.6    12.3

          +       +       +       +       +
 2.0     5.99    9.91    11.8    9.62    5.71

 0.0

        1.0          5.0          9.0
            3.0          7.0
              X-AXIS
```
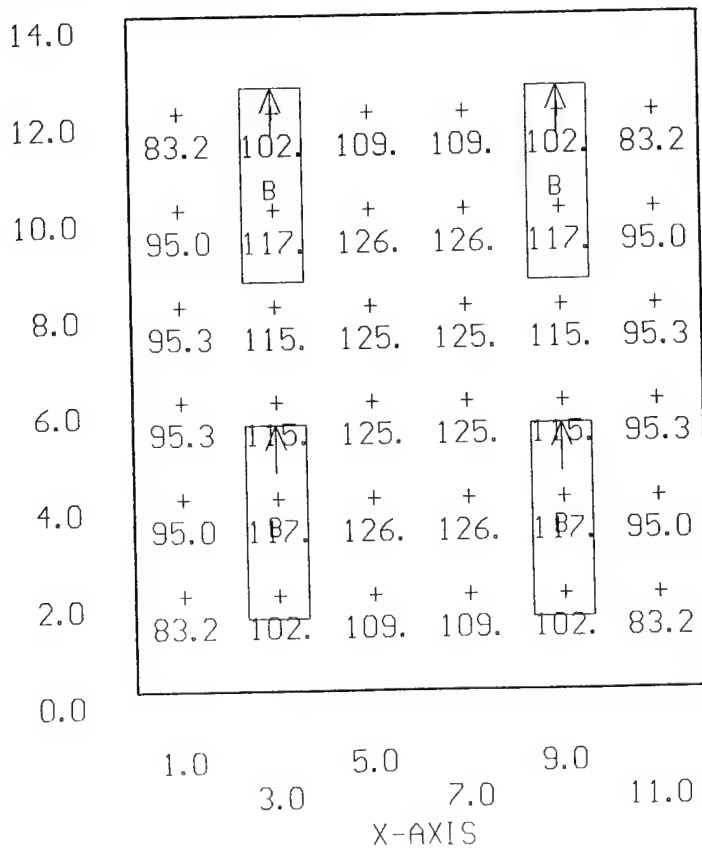
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:20 20-Dec-94
PROJECT: 34-910 AREA: UTILITIES BREAK GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=83.2   MAX=126.   AVE=108.   AVE/MIN=   1.29 MAX/MIN=   1.51

B <4> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68
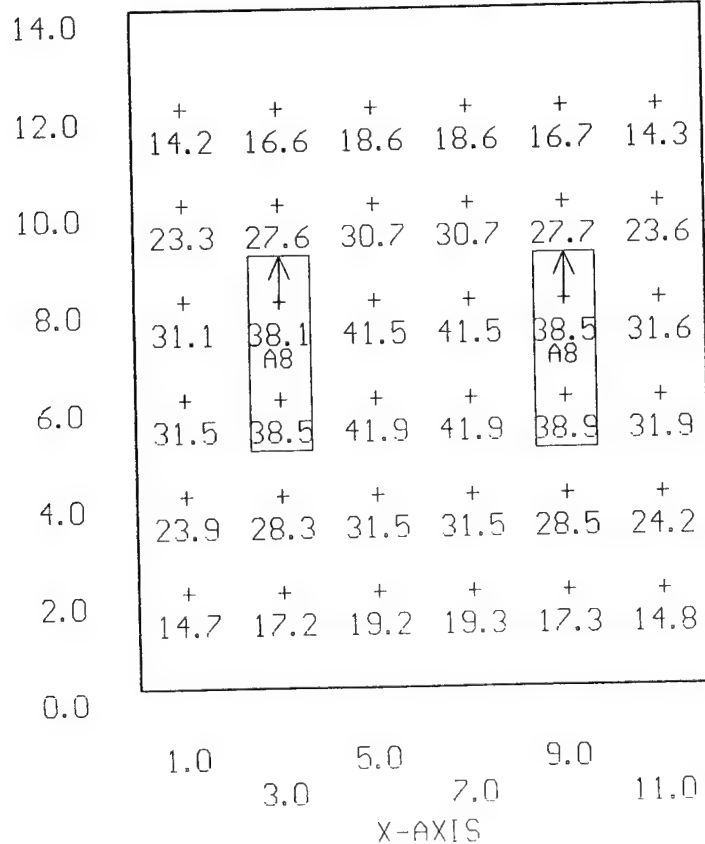

Y-AXIS

```
 14.0  ┌─────────────────────────────────────────┐
       │                                           │
       │   +    ╔═╗↑   +     +    ╔═╗↑   +         │
 12.0  │  83.2  ║102║ 109.  109.  ║102║ 83.2       │
       │        ║ B ║            ║ B ║             │
       │   +    ║ + ║   +     +    ║ + ║   +        │
 10.0  │  95.0  ║117║ 126.  126.  ║117║ 95.0       │
       │        ╚═══╝            ╚═══╝             │
       │   +      +    +     +      +    +          │
  8.0  │  95.3  115.  125.  125.  115.  95.3       │
       │                                           │
       │   +      +    +     +      +    +          │
  6.0  │  95.3  ║115║ 125.  125.  ║115║ 95.3       │
       │        ║ ↑ ║            ║ ↑ ║             │
       │   +    ║ + ║   +     +    ║ + ║   +        │
  4.0  │  95.0  ║117║ 126.  126.  ║117║ 95.0       │
       │        ║   ║            ║   ║             │
       │   +    ║ + ║   +     +    ║ + ║   +        │
  2.0  │  83.2  ╚102╝ 109.  109.  ╚102╝ 83.2       │
       │                                           │
  0.0  └─────────────────────────────────────────┘

        1.0       5.0       9.0
            3.0       7.0       11.0
                  X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:35 16-Mar-95
PROJECT: 34-910A   AREA: UTIL. BREAK-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.2   MAX=41.9   AVE=27.2   AVE/MIN=   1.92 MAX/MIN=   2.95

A8 <2> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66
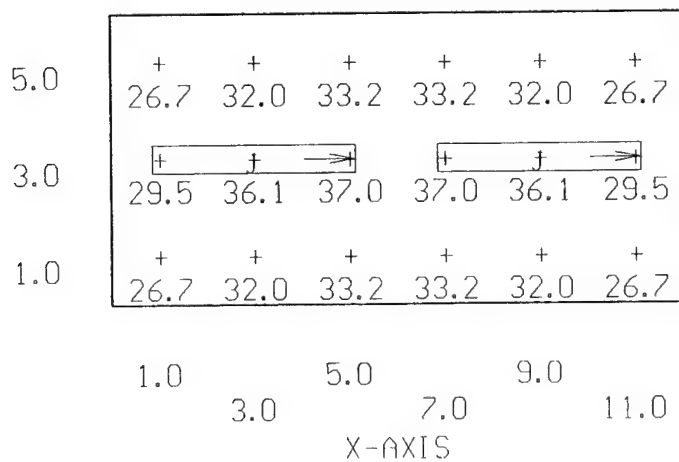

Y-AXIS

```
14.0 ┌──────────────────────────────────────┐
     │                                        │
     │   +     +     +     +     +     +      │
12.0 │  14.2  16.6  18.6  18.6  16.7  14.3    │
     │                                        │
     │   +     +     +     +     +     +      │
10.0 │  23.3  27.6  30.7  30.7  27.7  23.6    │
     │         ┌─┐               ┌─┐          │
     │   +     │↑│   +     +     │↑│   +      │
 8.0 │  31.1  38.1  41.5  41.5  38.5  31.6    │
     │         │A8│               │A8│         │
     │   +     │+│   +     +     │+│   +      │
 6.0 │  31.5  38.5  41.9  41.9  38.9  31.9    │
     │         └─┘               └─┘          │
     │   +     +     +     +     +     +      │
 4.0 │  23.9  28.3  31.5  31.5  28.5  24.2    │
     │                                        │
     │   +     +     +     +     +     +      │
 2.0 │  14.7  17.2  19.2  19.3  17.3  14.8    │
     │                                        │
 0.0 └──────────────────────────────────────┘

      1.0       5.0       9.0
          3.0       7.0       11.0
              X-AXIS
```
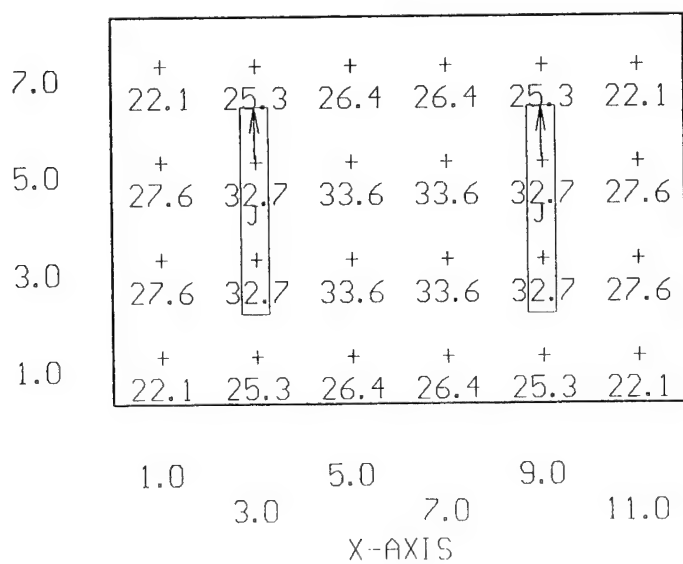
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:28 20-Dec-94
PROJECT: 34-910 AREA: UTIL KITCHEN GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=26.7   MAX=37.0   AVE=31.8   AVE/MIN= 1.19 MAX/MIN=   1.39

J <2> = K9801X COLUMBIA LUN240-WL, (2) F40CW, LLF= 0.68

Y-AXIS

```
        ┌─────────────────────────────────────────┐
        │   +     +     +     +     +     +         │
 5.0    │ 26.7  32.0  33.2  33.2  32.0  26.7        │
        │                                           │
        │ ┌─────────────┐   ┌─────────────┐         │
 3.0    │ │+     +    ──→│   │+     +   ──→│         │
        │ 29.5  36.1  37.0  37.0  36.1  29.5        │
        │                                           │
        │   +     +     +     +     +     +         │
 1.0    │ 26.7  32.0  33.2  33.2  32.0  26.7        │
        └─────────────────────────────────────────┘

     1.0         5.0         9.0
          3.0         7.0         11.0
                X-AXIS
```

USI's LITE*PRO v2.27E Point-By-Point Numeric Output 09:41 16-Mar-95
PROJECT: 34-910A AREA: UTIL KITCHEN-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID <U>, HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.7   MAX=33.3   AVE=22.5   AVE/MIN=   1.64 MAX/MIN=   2.43

A8 <1> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

5.0   +   +   +   +   +
     13.7   21.4   29.3   29.4   21.5   13.8

3.0   +   +   + A8   +   +
     14.7   23.9 33.3 33.3 24.1   14.8

1.0   +   +   +   +   +
     14.0   21.9   33.3   30.4   22.0   14.0
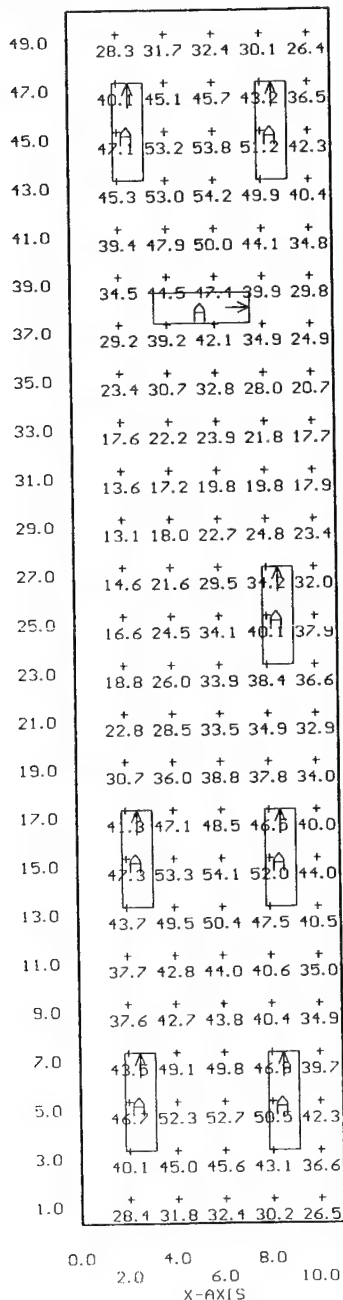
     1.0   3.0   5.0   7.0   9.0   11.0
                   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:54 20-Dec-94
PROJECT: 34-910   AREA: UTIL OFFICE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.1   MAX=33.6   AVE=27.9   AVE/MIN=   1.27 MAX/MIN=   1.52

J <2> = K9801X COLUMBIA LUN240-WL, (2) F40CW, LLF= 0.68

Y-AXIS

```
        +      +      +      +      +      +
7.0   22.1   25.3   26.4   26.4   25.3   22.1

        +      +      +      +      +      +
5.0   27.6   32.7   33.6   33.6   32.7   27.6
             J                    J
        +      +      +      +      +      +
3.0   27.6   32.7   33.6   33.6   32.7   27.6

        +      +      +      +      +      +
1.0   22.1   25.3   26.4   26.4   25.3   22.1


      1.0          5.0          9.0
           3.0          7.0          11.0
                  X-AXIS
```
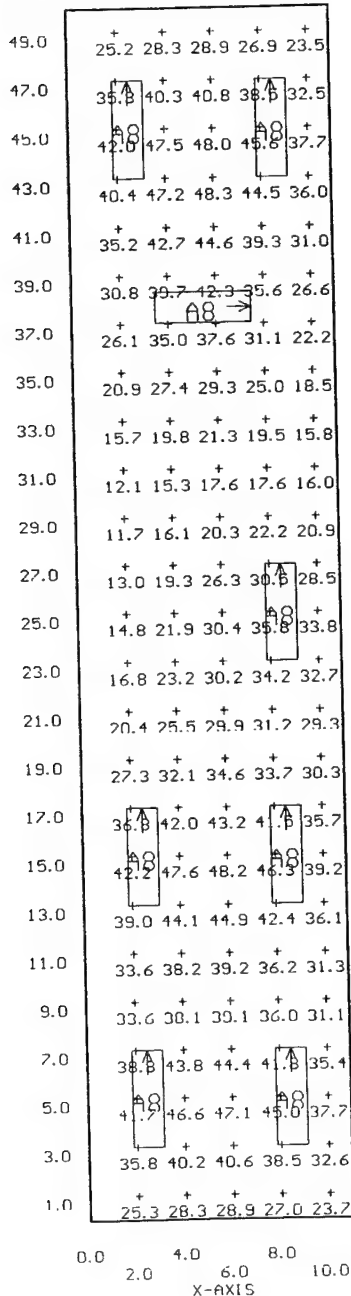
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:45 16-Mar-95
PROJECT: 34-910A AREA: UTIL OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=27.7   MAX=45.3   AVE=36.2   AVE/MIN=   1.31 MAX/MIN=   1.64

A8 <2> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

```
7.0    +       +       +       +       +       +
      27.7    32.2    35.5    35.5    32.2    27.7

5.0    +      42.0     +       +      42.0     +
      34.7   ┌──────┐ 45.3    45.3  ┌──────┐  34.7
             │  A8  │          ↑    │  A8  │
3.0    +     │42.0  │  +       +    │42.0  │   +
      34.7   └──────┘ 45.3    45.3  └──────┘  34.7

1.0    +       +       +       +       +       +
      27.7    32.2    35.5    35.5    32.2    27.7

      1.0     3.0     5.0     7.0     9.0    11.0
                           X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   17:09 20-Dec-94
PROJECT: 34-910   AREA: WOMEN'S CHANGE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.1   MAX=54.2   AVE=36.5   AVE/MIN= 2.79 MAX/MIN=   4.14

A ⟨8⟩ = K9604 COLUMBIA WCW240-A, ⟨2⟩ F40CW, LLF= 0.68

```
Y-AXIS

49.0      +    +    +    +    +
        28.3 31.7 32.4 30.1 26.4

47.0     40.1  45.1 45.7 43.2 36.5

45.0     47.1  53.2 53.8 51.2 42.3

43.0      +    +    +    +    +
        45.3 53.0 54.2 49.9 40.4

41.0      +    +    +    +    +
        39.4 47.9 50.0 44.1 34.8

39.0      +    +    +    +    +
        34.5 44.5 47.1 39.9 29.8

37.0      +    +    +    +    +
        29.2 39.2 42.1 34.9 24.9

35.0      +    +    +    +    +
        23.4 30.7 32.8 28.0 20.7

33.0      +    +    +    +    +
        17.6 22.2 23.9 21.8 17.7

31.0      +    +    +    +    +
        13.6 17.2 19.8 19.8 17.9

29.0      +    +    +    +    +
        13.1 18.0 22.7 24.8 23.4

27.0     14.6 21.6 29.5 34.2 32.0

25.0     16.6 24.5 34.1 40.1 37.9

23.0      +    +    +    +    +
        18.8 26.0 33.9 38.4 36.6

21.0      +    +    +    +    +
        22.8 28.5 33.5 34.9 32.9

19.0      +    +    +    +    +
        30.7 36.0 38.8 37.8 34.0

17.0     41.8  47.1 48.5 46.0 40.0

15.0     47.3  53.3 54.1 52.0 44.0

13.0      +    +    +    +    +
        43.7 49.5 50.4 47.5 40.5

11.0      +    +    +    +    +
        37.7 42.8 44.0 40.6 35.0

9.0       +    +    +    +    +
        37.6 42.7 43.8 40.4 34.9

7.0      43.5  49.1 49.8 46.8 39.7

5.0      46.7  52.3 52.7 50.5 42.3

3.0       +    +    +    +    +
        40.1 45.0 45.6 43.1 36.6

1.0       +    +    +    +    +
        28.4 31.8 32.4 30.2 26.5

     0.0     4.0    8.0
        2.0     6.0    10.0
           X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:48 16-Mar-95
PROJECT: 34-910A   AREA: WOMENS CHANGE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.7   MAX=48.3   AVE=32.6   AVE/MIN= 2.79 MAX/MIN=   4.14

A8 <8> = K9604 COLUMBIA WCW240-A, (2) FO32/35K, LLF= 0.66

```
Y-AXIS

49.0      +    +    +    +    +
       25.2 28.3 28.9 26.9 23.5

47.0      +    +    +    +    +
       35.8 40.3 40.8 38.6 32.5

45.0      A8   +    +   A8   +
       42.0 47.5 48.0 45.8 37.7

43.0      +    +    +    +    +
       40.4 47.2 48.3 44.5 36.0

41.0      +    +    +    +    +
       35.2 42.7 44.6 39.3 31.0

39.0      +    +    +    +    +
       30.8 39.7 42.3 35.6 26.6
              A8 →

37.0      +    +    +    +    +
       26.1 35.0 37.6 31.1 22.2

35.0      +    +    +    +    +
       20.9 27.4 29.3 25.0 18.5

33.0      +    +    +    +    +
       15.7 19.8 21.3 19.5 15.8

31.0      +    +    +    +    +
       12.1 15.3 17.6 17.6 16.0

29.0      +    +    +    +    +
       11.7 16.1 20.3 22.2 20.9

27.0      +    +    +    +    +
       13.0 19.3 26.3 30.6 28.5

25.0      +    +    +   A8   +
       14.8 21.9 30.4 35.8 33.8

23.0      +    +    +    +    +
       16.8 23.2 30.2 34.2 32.7

21.0      +    +    +    +    +
       20.4 25.5 29.9 31.7 29.3

19.0      +    +    +    +    +
       27.3 32.1 34.6 33.7 30.3

17.0      +    +    +    +    +
       36.8 42.0 43.2 41.8 35.7

15.0      A8   +    +   A8   +
       42.2 47.6 48.2 46.3 39.2

13.0      +    +    +    +    +
       39.0 44.1 44.9 42.4 36.1

11.0      +    +    +    +    +
       33.6 38.2 39.2 36.2 31.3

9.0       +    +    +    +    +
       33.6 38.1 39.1 36.0 31.1

7.0       +    +    +    +    +
       38.8 43.8 44.4 41.8 35.4

5.0       A8   +    +   A8   +
       41.7 46.6 47.1 45.0 37.7

3.0       +    +    +    +    +
       35.8 40.2 40.6 38.5 32.6

1.0       +    +    +    +    +
       25.3 28.3 28.9 27.0 23.7

      0.0    4.0    8.0
         2.0    6.0    10.0
            X-AXIS
```
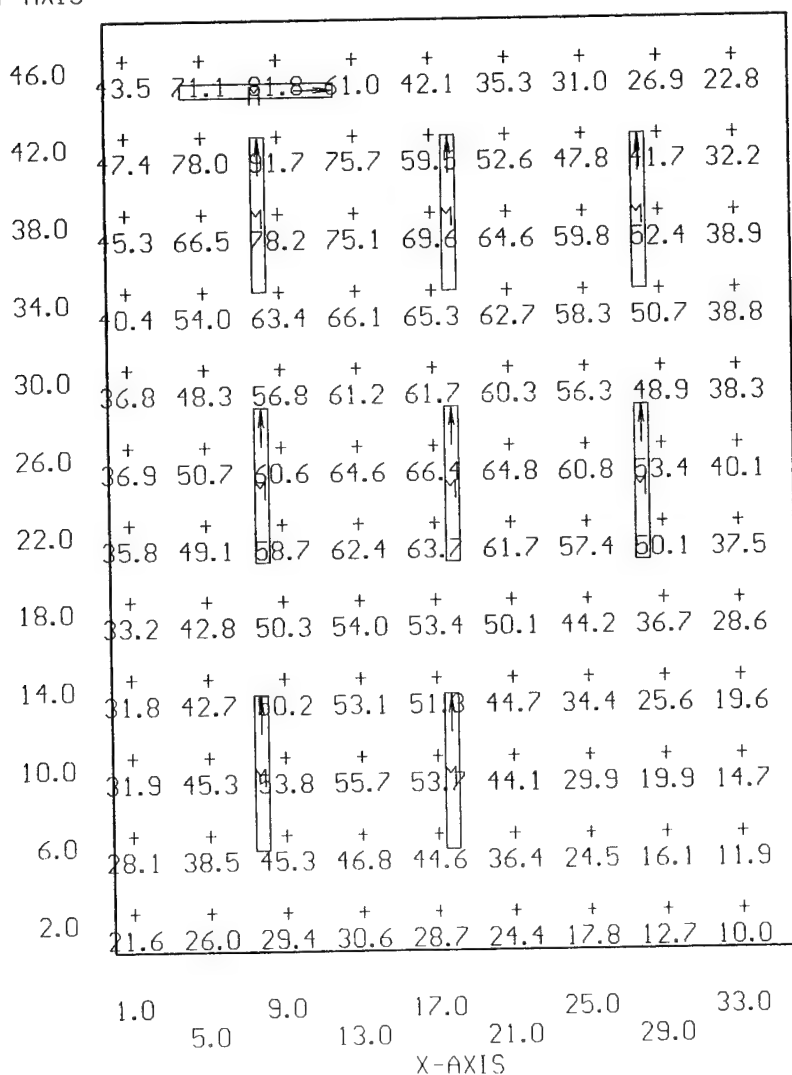
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:18 21-Dec-94
PROJECT: 34-910 AREA: HALL - CHANGE 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.52   MAX=34.1   AVE=17.2   AVE/MIN= 11.28 MAX/MIN= 22.40

K1 <i> = 9713 COLUMBIA KL496, (4) F40CW, LLF= 0.64

Y-AXIS

```
        +     +     +     +     +     +     +     +     +     +     +     +     +     +     +
3.0    1.52  1.85  2.43  3.57  5.37  7.61  11.2  18.3  26.1 |31.3  34.1  33.9  31.  27.0  22.3
                                                          K1
        +     +     +     +     +     +     +     +     +     +     +     +     +     +     +
1.0    1.52  1.85  2.43  3.57  5.37  7.61  11.2  18.3  26.1  31.3  34.1  33.9  31.1  27.0  22.3

       1.0   3.0   5.0   7.0   9.0  11.0  13.0  15.0  17.0  19.0  21.0  23.0  25.0  27.0  29.0
                                          X-AXIS
```
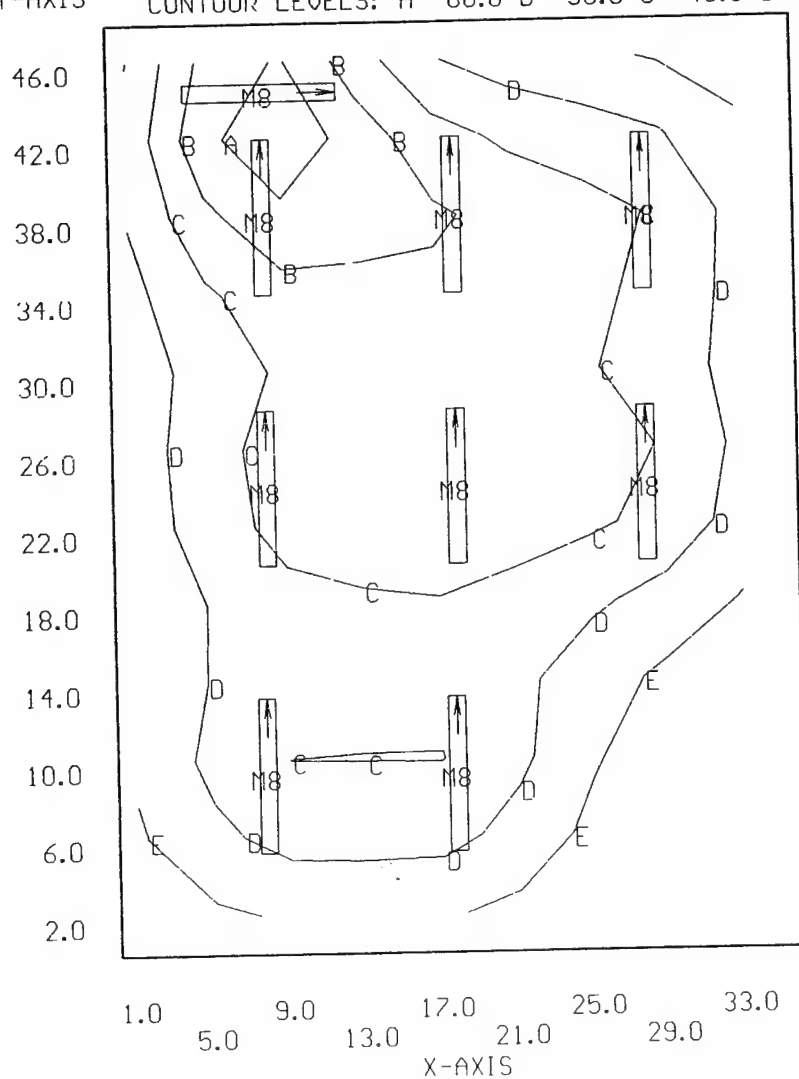
USI's LITE*PRC V2.27E Point-By-Point Numeric Output 10:08 16-Mar-95
PROJECT: 34-9104 AREA: HALL/CHANGE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 5.0FT, HORZ GRID (U), HCRZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.27   MAX=13.6   AVE=11.7   AVE/MIN= 1.41 MAX/MIN= 1.65

I1 <2> = 10333 COLUMBIA CSR140-PAF-EOCT, <1> F032/35K, _LF= 0.86

Y-AXIS

```
      +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
3.0  9.29 11.2 12.8 13.5 13.0 11.9 11.0 10.9 11.6 12.6 13.4 13.2 11.9 10.1 8.27

      +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
1.0  9.30 11.2 12.9 13.6 13.0 12.0 11.0 10.9 11.6 12.6 13.4 13.2 11.9 10.1 8.27

     1.0  3.0  5.0  7.0  9.0  11.0 13.0 15.0 17.0 19.0 21.0 23.0 25.0 27.0 29.0
                                      X-AXIS
```
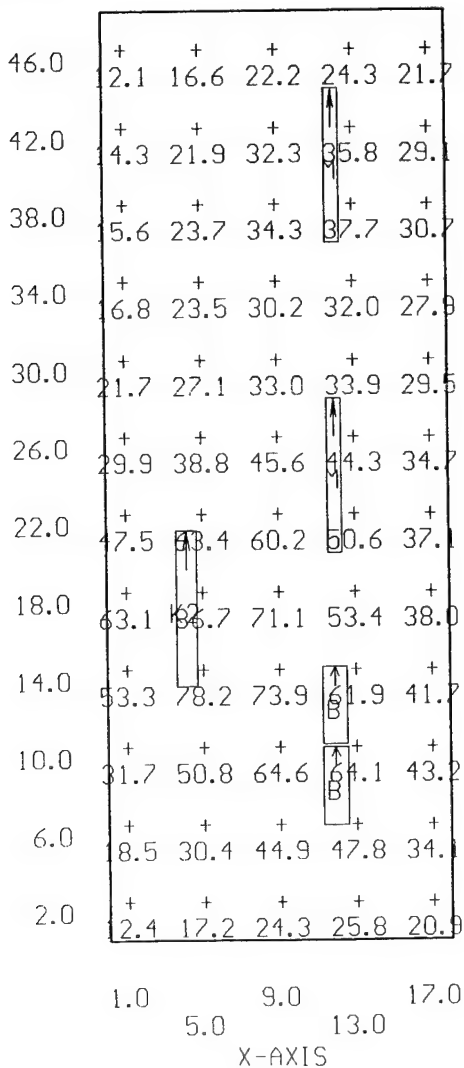
USI's LITE*PRO v2.27E Point-By-Point Numeric Output   13:35 21-Dec-94
PROJECT: 34-910 AREA: GROUNDS/MAINT. GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=36.8   MAX=101.   AVE=67.7   AVE/MIN=   1.84 MAX/MIN=   2.76

B <3> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68
L <i> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

```
11.0   36.9 56.7 74.4 75.4 59.9 45.7 43.4 54.2 67.5 66.8 52.6 37.0

 9.0   41.3 68.1 93.5 94.0 72.8 52.9 50.7 66.9 86.2 85.2 63.5 41.4

 7.0   44.5 73.7 99.8 101. 79.4 58.3 56.8 76.3 97.7 96.5 72.0 45.6

 5.0   44.5 73.7 99.8 101. 79.2 58.5 58.7 78.8 100. 99.1 74.7 47.3

 3.0   41.2 68.0 93.5 94.5 72.2 53.1 54.1 74.7 97.8 97.0 71.9 44.7

 1.0   36.8 56.6 74.2 74.9 59.0 45.2 45.7 60.8 72.8 77.3 59.5 39.2

       1.0  3.0  5.0  7.0  9.0  11.0 13.0 15.0 17.0 19.0 21.0 23.0
                            X-AXIS
```
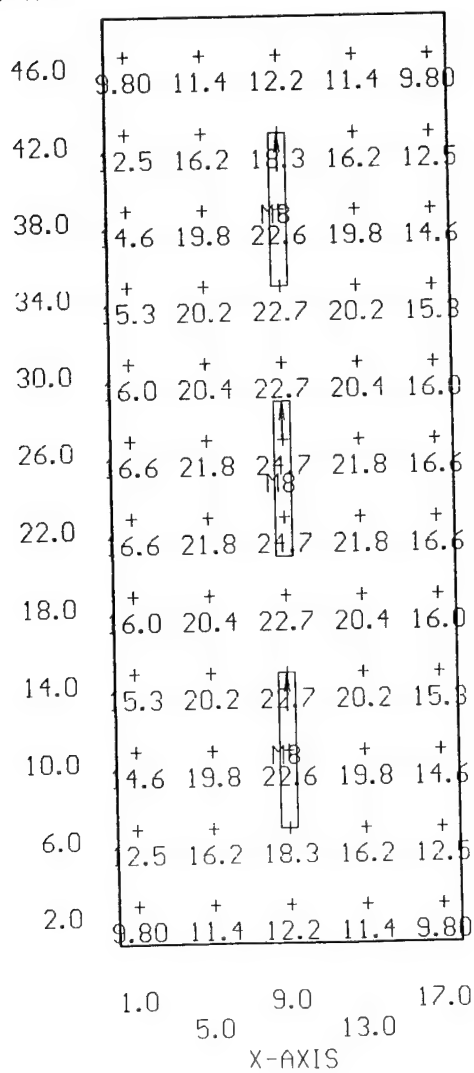
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:11 16-Mar-95
PROJECT: 34-910A AREA: GROUNDS/MAINT-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=17.9   MAX=48.3   AVE=32.4   AVE/MIN= 1.82 MAX/MIN= 2.71

A8 <4> = K3604 COLUMBIA JCW240-A, (2) F032/35K, LLF= 0.70

CONTOUR LEVELS: A= 50.0 E= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS

1.0   3.0   5.0   7.0   9.0   11.0   13.0   15.0   17.0   19.0   21.0   23.0
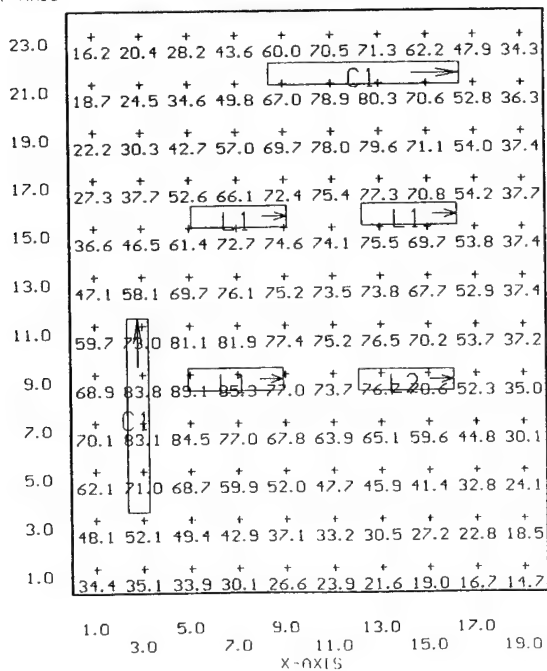X-AXIS

Y-AXIS
11.0
9.0
7.0
5.0
3.0
1.0
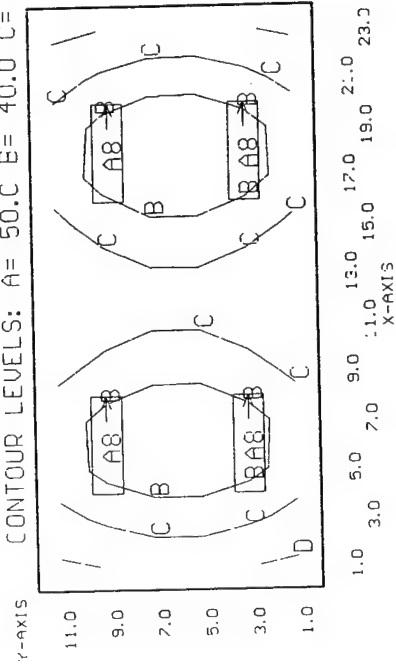
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:08 21-Dec-94
PROJECT: 34-910   AREA: REFRIG SHOP   GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.0   MAX=91.7   AVE=46.5   AVE/MIN=   4.63 MAX/MIN=   9.12

M <9> = K8966K COLUMBIA K496-T, (4) F96T12/CW/WM, LLF= 0.74

Y-AXIS

46.0	43.5	71.1	81.8	61.0	42.1	35.3	31.0	26.9	22.8
42.0	47.4	78.0	91.7	75.7	59.5	52.6	47.8	41.7	32.2
38.0	45.3	66.5	78.2	75.1	69.6	64.6	59.8	52.4	38.9
34.0	40.4	54.0	63.4	66.1	65.3	62.7	58.3	50.7	38.8
30.0	36.8	48.3	56.8	61.2	61.7	60.3	56.3	48.9	38.3
26.0	36.9	50.7	60.6	64.6	66.4	64.8	60.8	53.4	40.1
22.0	35.8	49.1	58.7	62.4	63.7	61.7	57.4	50.1	37.5
18.0	33.2	42.8	50.3	54.0	53.4	50.1	44.2	36.7	28.6
14.0	31.8	42.7	50.2	53.1	51.3	44.7	34.4	25.6	19.6
10.0	31.9	45.3	53.8	55.7	53.7	44.1	29.9	19.9	14.7
6.0	28.1	38.5	45.3	46.8	44.6	36.4	24.5	16.1	11.9
2.0	21.6	26.0	29.4	30.6	28.7	24.4	17.8	12.7	10.0

```
     1.0      9.0      17.0      25.0      33.0
        5.0      13.0      21.0      29.0
                      X-AXIS
```
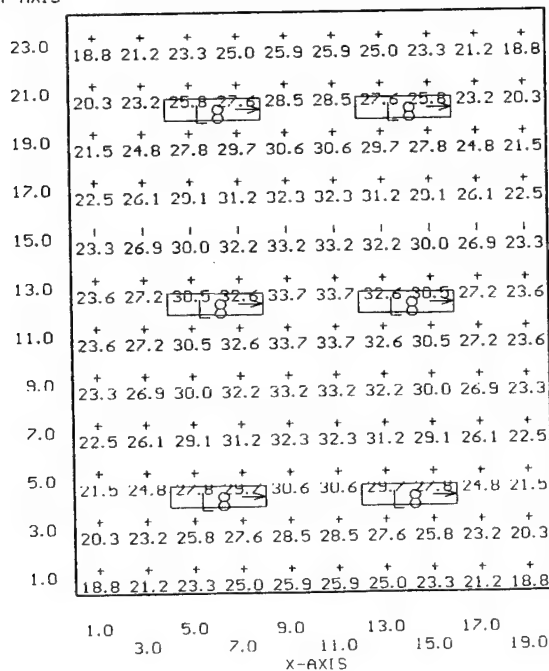
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 10:42 16-Mar-95
PROJECT: 34-910A AREA: REFRIG SHOP-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.33   MAX=68.4   AVE=33.5   AVE/MIN= 5.28 MAX/MIN= 10.81

M8 <9> = K8673 COLUMBIA CSR296-A, (2) FO96/735, LLF= 0.86

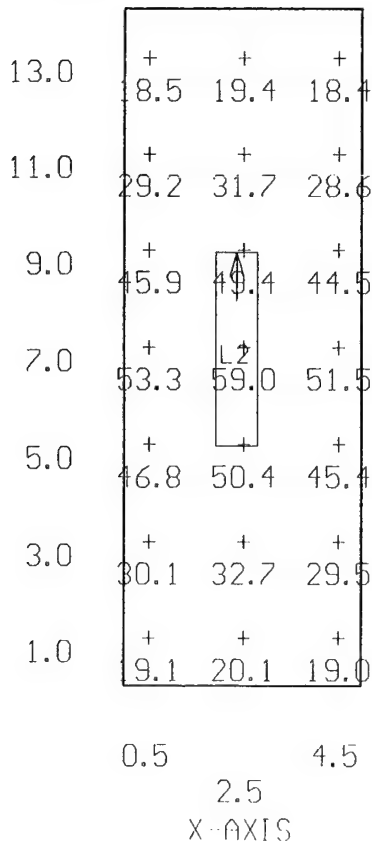Y-AXIS   CONTOUR LEVELS: A- 60.0 B- 50.0 C- 40.0 D- 30.0 E- 20.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:53 21-Dec-94
PROJECT: 34-910   AREA: REFRIG HALL   GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.1   MAX=86.7   AVE=37.5   AVE/MIN=   3.10 MAX/MIN=   7.16

B <2> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68
K2 <1> = 9713 COLUMBIA KL496, (4) F96T12/CW/WM, LLF= 0.69
M <2> = K8966K COLUMBIA K496-T, (4) F96T12/CW/WM, LLF= 0.74

Y-AXIS

```
46.0   +     +     +     +     +
      12.1  16.6  22.2  24.3  21.7

42.0   +     +     +     +     +
      14.3  21.9  32.3  35.8  29.1

38.0   +     +     +     +     +
      15.6  23.7  34.3  37.7  30.7

34.0   +     +     +     +     +
      16.8  23.5  30.2  32.0  27.8

30.0   +     +     +     +     +
      21.7  27.1  33.0  33.9  29.5

26.0   +     +     +     +     +
      29.9  38.8  45.6  44.3  34.7

22.0   +     +     +     +     +
      47.5  53.4  60.2  50.6  37.1

18.0   +     +     +     +     +
      63.1  65.7  71.1  53.4  38.0

14.0   +     +     +     +     +
      53.3  78.2  73.9  61.9  41.7

10.0   +     +     +     +     +
      31.7  50.8  64.6  64.1  43.2

 6.0   +     +     +     +     +
      18.5  30.4  44.9  47.8  34.1

 2.0   +     +     +     +     +
      12.4  17.2  24.3  25.8  20.9

       1.0         9.0         17.0
            5.0         13.0
              X-AXIS
```
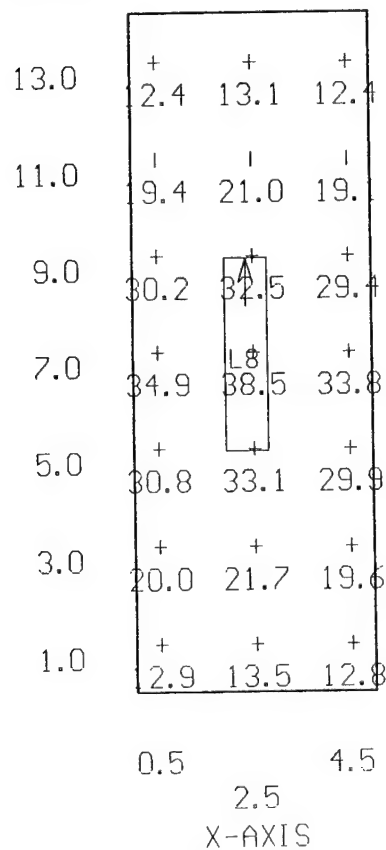
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:32 16-Mar-95
PROJECT: 34-910A   AREA: REFRIG HALL-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.80   MAX=24.7   AVE=17.1   AVE/MIN=   1.74 MAX/MIN=   2.52

M8 <3> = K8673 COLUMBIA CSR296-A, (2) FO96/735, LLF= 0.86

Y-AXIS

```
        +      +      +      +      +
46.0   9.80  11.4   12.2   11.4   9.80

        +      +      +      +      +
42.0   12.5  16.2   18.3   16.2   12.5

        +      +     M8      +      +
38.0   14.6  19.8   22.6   19.8   14.6

        +      +      +      +      +
34.0   15.3  20.2   22.7   20.2   15.3

        +      +      +      +      +
30.0   16.0  20.4   22.7   20.4   16.0

        +      +      +      +      +
26.0   16.6  21.8   24.7   21.8   16.6
                    M8
        +      +      +      +      +
22.0   16.6  21.8   24.7   21.8   16.6

        +      +      +      +      +
18.0   16.0  20.4   22.7   20.4   16.0

        +      +      +      +      +
14.0   15.3  20.2   22.7   20.2   15.3

        +      +     M8      +      +
10.0   14.6  19.8   22.6   19.8   14.6

        +      +      +      +      +
 6.0   12.5  16.2   18.3   16.2   12.5

        +      +      +      +      +
 2.0   9.80  11.4   12.2   11.4   9.80
```
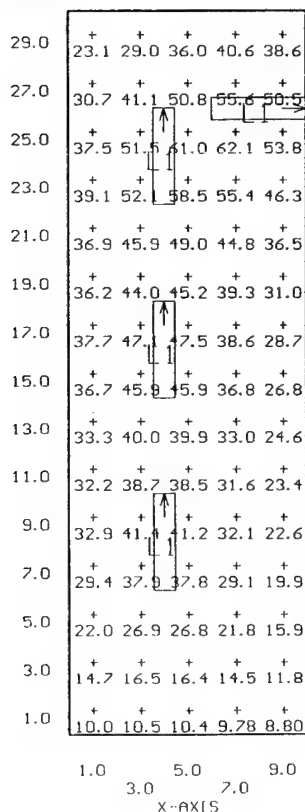
```
       1.0          9.0         17.0
            5.0          13.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:25 21-Dec-94
PROJECT: 34-910 AREA: ELEC SHOP BREAK GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.7   MAX=89.1   AVE=54.0   AVE/MIN=   3.68 MAX/MIN=   6.08

C1 <2> = K7993 COLUMBIA CSR296, (2) F96T12/CW, LLF= 0.67
L1 <3> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68
L2 <1> = 10366 COLUMBIA KL340-SOLID, (3) F40CW, LLF= 0.68

Y-AXIS

```
       +    +    +    +    +    +    +    +    +    +
23.0  16.2 20.4 28.2 43.6 60.0 70.5 71.3 62.2 47.9 34.3
                      +----+-C1----+--->+    +    +
       +    +    +    +    +    +    +    +    +    +
21.0  18.7 24.5 34.6 49.8 67.0 78.9 80.3 70.6 52.8 36.3

       +    +    +    +    +    +    +    +    +    +
19.0  22.2 30.3 42.7 57.0 69.7 78.0 79.6 71.1 54.0 37.4

       +    +    +    +    +    +    +    +    +    +
17.0  27.3 37.7 52.6 66.1 72.4 75.4 77.3 70.8 54.2 37.7
                 +--L1--->+     +--L1-->+
       +    +    +    +    +    +    +    +    +    +
15.0  36.6 46.5 61.4 72.7 74.6 74.1 75.5 69.7 53.8 37.4

       +    +    +    +    +    +    +    +    +    +
13.0  47.1 58.1 69.7 76.1 75.2 73.5 73.8 67.7 52.9 37.4

       +    +    +    +    +    +    +    +    +    +
11.0  59.7 79.0 81.1 81.9 77.4 75.2 76.5 70.2 53.7 37.2
                 +---L1--->+   +--L2--+  +
       +    +    +    +    +    +    +    +    +    +
 9.0  68.9 83.8 89.1 85.3 77.0 73.7 76.2 70.6 52.3 35.0
       +  C1 +    +    +    +    +    +    +    +    +
 7.0  70.1 83.1 84.5 77.0 67.8 63.9 65.1 59.6 44.8 30.1

       +    +    +    +    +    +    +    +    +    +
 5.0  62.1 71.0 68.7 59.9 52.0 47.7 45.9 41.4 32.8 24.1

       +    +    +    +    +    +    +    +    +    +
 3.0  48.1 52.1 49.4 42.9 37.1 33.2 30.5 27.2 22.8 18.5

       +    +    +    +    +    +    +    +    +    +
 1.0  34.4 35.1 33.9 30.1 26.6 23.9 21.6 19.0 16.7 14.7
```

```
      1.0     5.0      9.0     13.0    17.0
          3.0     7.0     11.0    15.0    19.0
                      X-AXIS
```
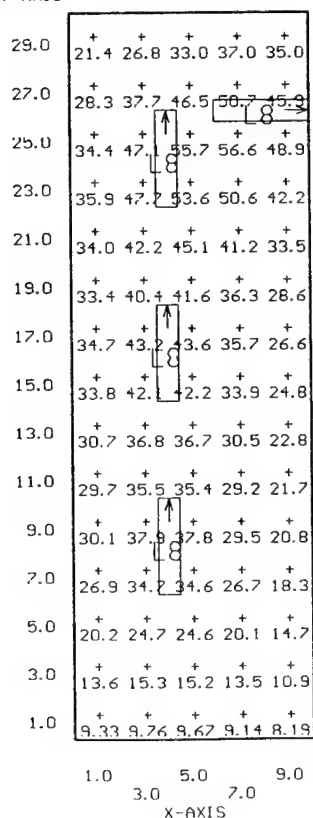
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:39 16-Mar-95
PROJECT: 34-910A AREA: ELEC SHOP BRK-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.8   MAX=33.7   AVE=27.0   AVE/MIN=   1.44 MAX/MIN=   1.79

L8 <6> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

Y-AXIS

```
        +    +    +    +    +    +    +    +    +    +
23.0  18.8 21.2 23.3 25.0 25.9 25.9 25.0 23.3 21.2 18.8

        +    +    +    +    +    +    +    +    +    +
21.0  20.3 23.2 25.8 27.6 28.5 28.5 27.6 25.8 23.2 20.3
              [L8->]        [L8->]

        +    +    +    +    +    +    +    +    +    +
19.0  21.5 24.8 27.8 29.7 30.6 30.6 29.7 27.8 24.8 21.5

        +    +    +    +    +    +    +    +    +    +
17.0  22.5 26.1 29.1 31.2 32.3 32.3 31.2 29.1 26.1 22.5

        |    |    |    |    |    |    |    |    |    |
15.0  23.3 26.9 30.0 32.2 33.2 33.2 32.2 30.0 26.9 23.3

        +    +    +    +    +    +    +    +    +    +
13.0  23.6 27.2 30.5 32.6 33.7 33.7 32.6 30.5 27.2 23.6
              [L8->]        [L8->]

        +    +    +    +    +    +    +    +    +    +
11.0  23.6 27.2 30.5 32.6 33.7 33.7 32.6 30.5 27.2 23.6

        +    +    +    +    +    +    +    +    +    +
9.0   23.3 26.9 30.0 32.2 33.2 33.2 32.2 30.0 26.9 23.3

        +    +    +    +    +    +    +    +    +    +
7.0   22.5 26.1 29.1 31.2 32.3 32.3 31.2 29.1 26.1 22.5

        +    +    +    +    +    +    +    +    +    +
5.0   21.5 24.8 27.8 29.6 30.6 30.6 29.7 27.8 24.8 21.5
              [L8->]        [L8->]

        +    +    +    +    +    +    +    +    +    +
3.0   20.3 23.2 25.8 27.6 28.5 28.5 27.6 25.8 23.2 20.3

        +    +    +    +    +    +    +    +    +    +
1.0   18.8 21.2 23.3 25.0 25.9 25.9 25.0 23.3 21.2 18.8

      1.0    5.0    9.0   13.0   17.0
         3.0    7.0   11.0   15.0   19.0
                    X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:20 22-Dec-94
PROJECT: 34-910 AREA: ELEC SHOP HALL1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
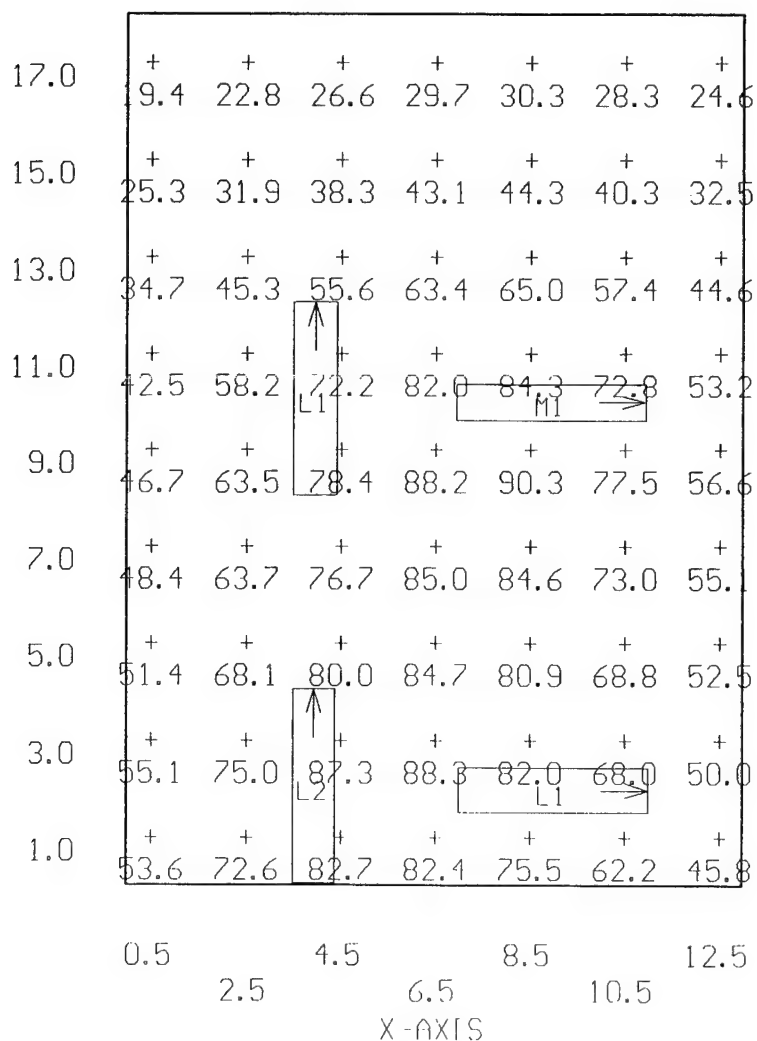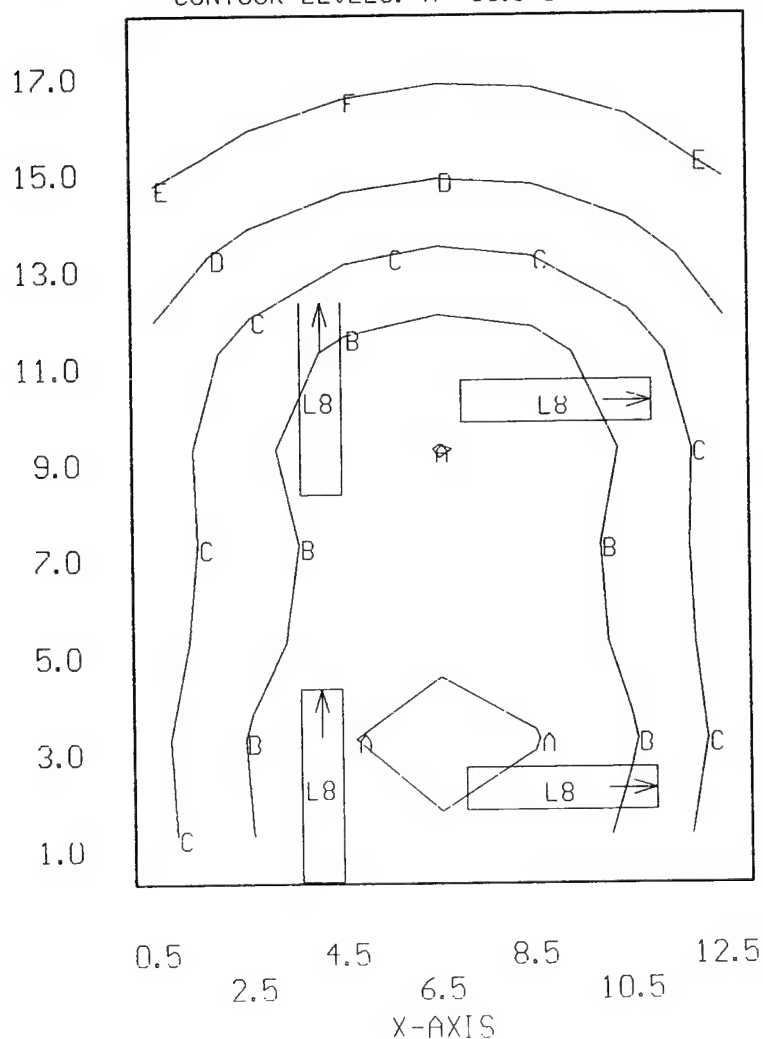Computed in accordance with IES recommendations

+ MIN=18.4   MAX=59.0   AVE=35.4   AVE/MIN=   1.93 MAX/MIN=   3.21

L2 <1> = 10366 COLUMBIA KL340-SOLID, (3) F40CW, LLF= 0.68

Y-AXIS

```
13.0    +      +      +
      18.5   19.4   18.4

11.0    +      +      +
      29.2   31.7   28.6

 9.0    +      +      +
      45.9   49.4   44.5

 7.0    +     L2      +
      53.3   59.0   51.5

 5.0    +      +      +
      46.8   50.4   45.4

 3.0    +      +      +
      30.1   32.7   29.5

 1.0    +      +      +
      19.1   20.1   19.0

       0.5          4.5
            2.5
          X-AXIS
```
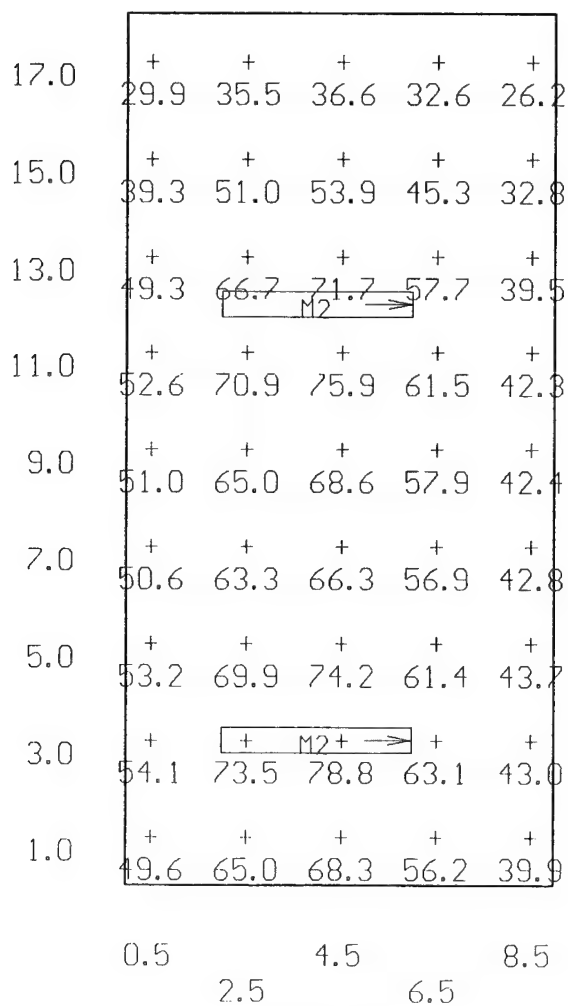
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:41 16-Mar-95
PROJECT: 34-910A AREA: ELEC SP HALL1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4   MAX=38.5   AVE=23.4   AVE/MIN=   1.88 MAX/MIN=   3.11

L8 <1> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS

```
13.0    +      +      +
       2.4   13.1   12.4

11.0    |      |      |
       9.4   21.0   19.

 9.0    +     A +     +
      30.2  32.5   29.

 7.0    +    L8      +
      34.9  38.5   33.8

 5.0    +      +      +
      30.8  33.1   29.9

 3.0    +      +      +
      20.0  21.7   19.6

 1.0    +      +      +
       2.9   13.5   12.8
```

        0.5   4.5
              2.5
           X-AXIS

GS's LITE*PRO V2.27E Point-By-Point Numeric Output   09:36 23-Dec-94
PROJECT: 34-910 AREA: ELEC SHOP HALL2   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.71   MAX=44.2   AVE=31.2   AVE/MIN=   3.58 MAX/MIN=   5.08

-1 (2) = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68

Y-AXIS

```
5.0  +     +     +     +     +     +     +     +     +     +
    31.1  38.7  39.0  36.0  37.0  38.9  34.0  23.3  13.7  8.71

3.0  +  ┌──────┐ +     +     +   ┌──────┐ +     +     +
    34.4│+L1↑  │ +     39.5  41.0│+L1↑  │ +     25.3  14.6  8.94
       │ 44.0 │43.9              │ 44.2 │38.2
       └──────┘                  └──────┘

1.0  +     +     +     +     +     +     +     +     +     +
    31.1  38.7  39.0  36.0  37.0  38.9  34.0  23.3  13.7  8.71

    1.5   3.5   5.5   7.5   9.5  11.5  13.5  15.5  17.5  19.5
                            X-AXIS
```
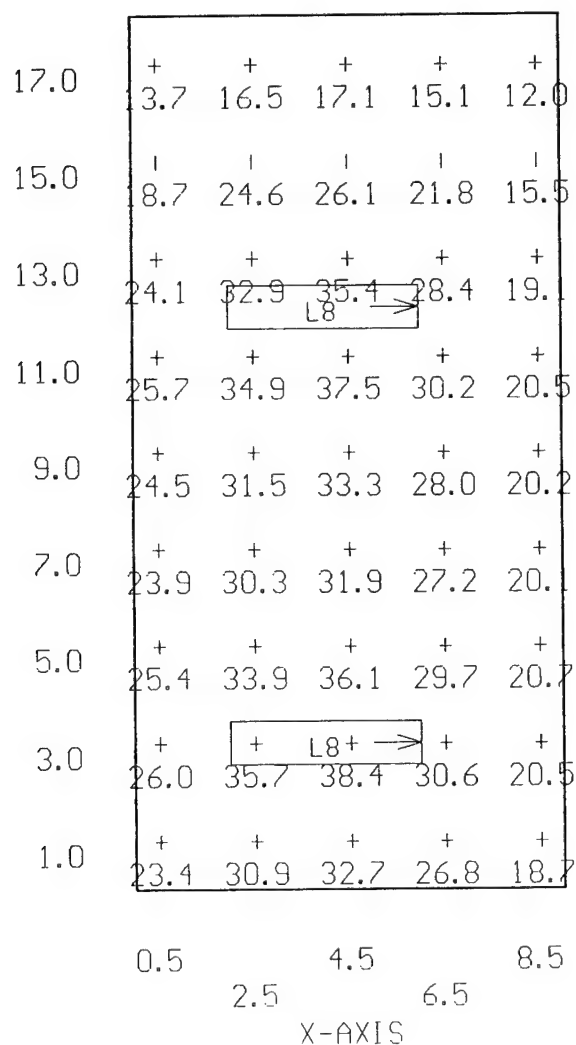
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:43 16-Mar-95
PROJECT: 34-910A AREA: ELEC SP HALL2-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=3.18   MAX=33.0   AVE=14.9   AVE/MIN=   4.68 MAX/MIN= 10.37

L8 <1> = 10931 COLUMBIA CSR240-PAF-EOCT, <2> FO32/35K, LLF= 0.66

Y-AXIS

5.0	+3.18	+4.77	+8.25	+14.1	+22.3	+28.8	+26.8	+18.6	+10.8	+6.70
3.0	+3.20	+4.89	+8.44	+15.1	+25.2	+33.0	+30.3	+20.2	+11.5	+6.84
1.0	+3.18	+4.77	+8.25	+14.1	+22.3	+28.8	+26.8	+18.6	+10.8	+6.70

+L8 →

X-AXIS: 1.5   3.5   5.5   7.5   9.5   11.5   13.5   15.5   17.5   19.5
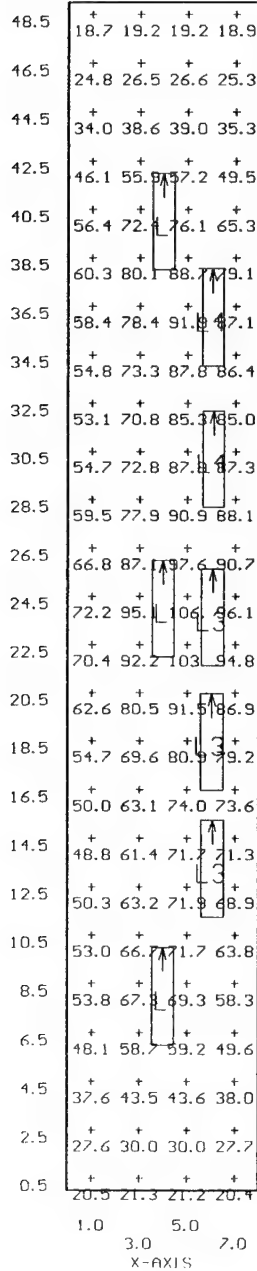
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   09:59 23-Dec-94
PROJECT: 34-910   AREA: ELEC SHOP WORK   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.80   MAX=62.1   AVE=34.8   AVE/MIN=   3.96 MAX/MIN=   7.06

L1 <4> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68

Y-AXIS

```
        +    +    +    +    +
29.0  23.1 29.0 36.0 40.6 38.6

        +    +    +    +    +
27.0  30.7 41.1 50.8 55.6 50.5

        +    +    +    +    +
25.0  37.5 51.5 61.0 62.1 53.8

        +    +    +    +    +
23.0  39.1 52.1 58.5 55.4 46.3

        +    +    +    +    +
21.0  36.9 45.9 49.0 44.8 36.5

        +    +    +    +    +
19.0  36.2 44.0 45.2 39.3 31.0

        +    +    +    +    +
17.0  37.7 47.1 47.5 38.6 28.7

        +    +    +    +    +
15.0  36.7 45.9 45.9 36.8 26.8

        +    +    +    +    +
13.0  33.3 40.0 39.9 33.0 24.6

        +    +    +    +    +
11.0  32.2 38.7 38.5 31.6 23.4

        +    +    +    +    +
 9.0  32.9 41.4 41.2 32.1 22.6

        +    +    +    +    +
 7.0  29.4 37.9 37.8 29.1 19.9

        +    +    +    +    +
 5.0  22.0 26.9 26.8 21.8 15.9

        +    +    +    +    +
 3.0  14.7 16.5 16.4 14.5 11.8

        +    +    +    +    +
 1.0  10.0 10.5 10.4 9.78 8.80
```

```
      1.0       5.0       9.0
           3.0       7.0
              X-AXIS
```
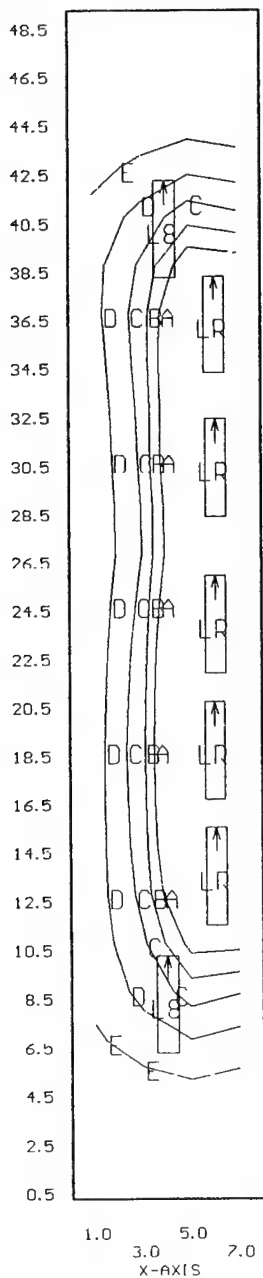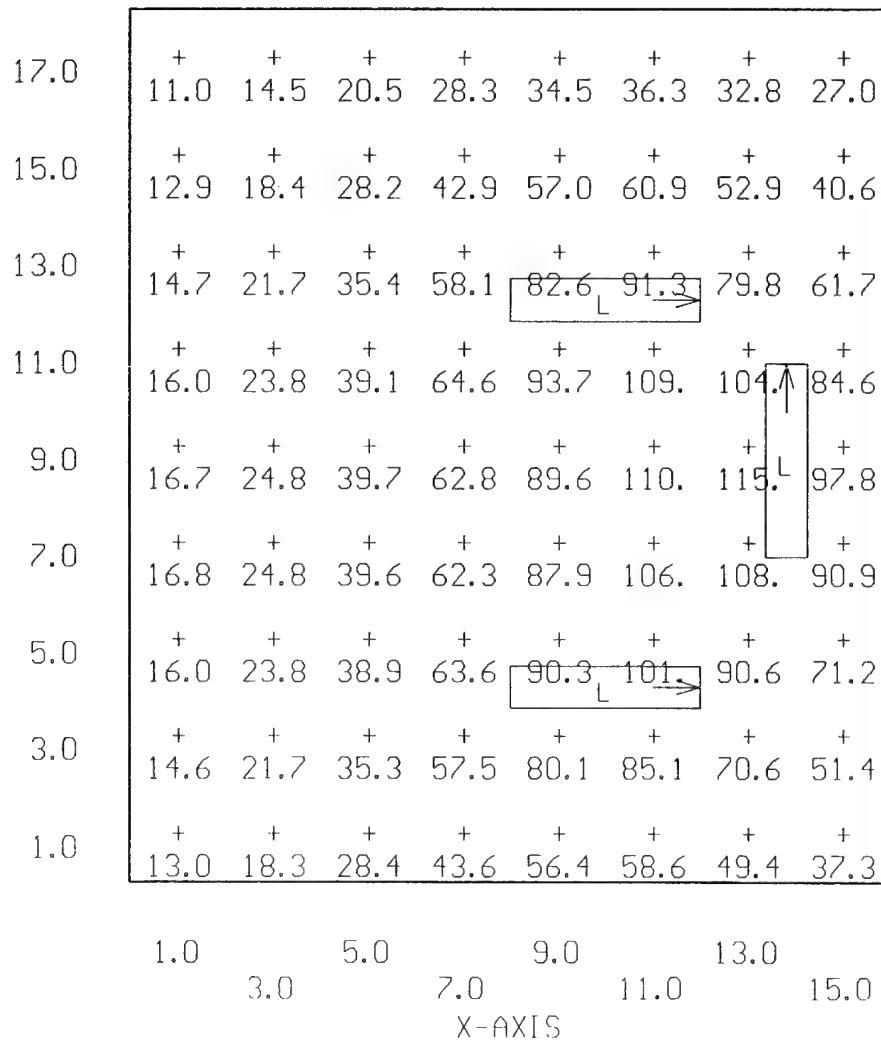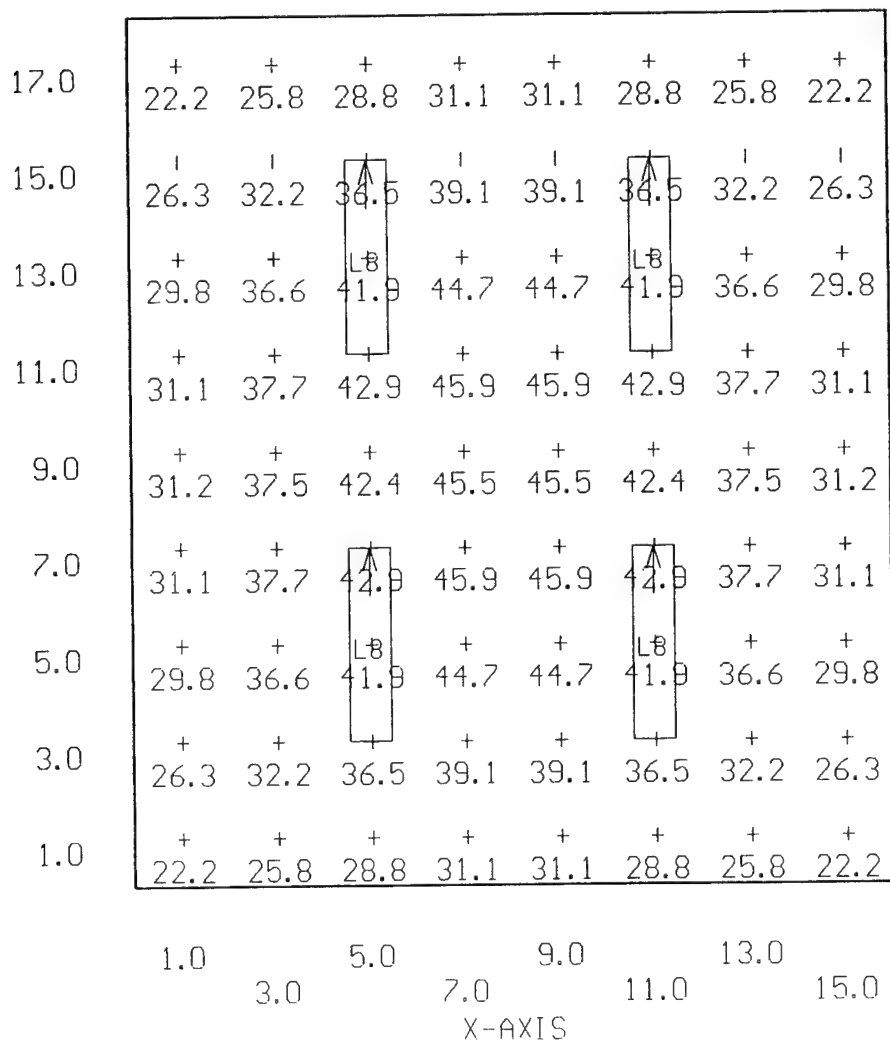
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:46 16-Mar-95
PROJECT: 34-910A AREA: ELEC SHP WORK-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.19   MAX=56.6   AVE=32.0   AVE/MIN= 3.90 MAX/MIN= 6.91

L8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.66

```
Y-AXIS
         +    +    +    +    +
29.0    21.4 26.8 33.0 37.0 35.0

         +    +    +    +    +
27.0    28.3 37.7 46.5 50.7 45.9

         +    +    +    +    +
25.0    34.4 47.1 55.7 56.6 48.9

         +    +    +    +    +
23.0    35.9 47.2 53.6 50.6 42.2

         +    +    +    +    +
21.0    34.0 42.2 45.1 41.2 33.5

         +    +    +    +    +
19.0    33.4 40.4 41.6 36.3 28.6

         +    +    +    +    +
17.0    34.7 43.2 43.6 35.7 26.6

         +    +    +    +    +
15.0    33.8 42.1 42.2 33.9 24.8

         +    +    +    +    +
13.0    30.7 36.8 36.7 30.5 22.8

         +    +    +    +    +
11.0    29.7 35.5 35.4 29.2 21.7

         +    +    +    +    +
 9.0    30.1 37.9 37.8 29.5 20.8

         +    +    +    +    +
 7.0    26.9 34.7 34.6 26.7 18.3

         +    +    +    +    +
 5.0    20.2 24.7 24.6 20.1 14.7

         +    +    +    +    +
 3.0    13.6 15.3 15.2 13.5 10.9

         +    +    +    +    +
 1.0    9.33 9.76 9.67 9.14 8.19

        1.0      5.0      9.0
            3.0      7.0
            X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:06 23-Dec-94
PROJECT: 34-910   AREA: ELEC OFFICE 1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=19.4   MAX=90.3   AVE=59.1   AVE/MIN= 3.05 MAX/MIN=   4.65

L1 <2> = K7990 COLUMBIA CSR240, (2) F40CW, LLF= 0.68
L2 <1> = 10366 COLUMBIA KL340-SOLID, (3) F40CW, LLF= 0.68
M1 <1> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.73

Y-AXIS

Y	0.5	2.5	4.5	6.5	8.5	10.5	12.5
17.0	9.4	22.8	26.6	29.7	30.3	28.3	24.6
15.0	25.3	31.9	38.3	43.1	44.3	40.3	32.5
13.0	34.7	45.3	55.6	63.4	65.0	57.4	44.6
11.0	42.5	58.2	72.2	82.0	84.3	72.8	53.2
9.0	46.7	63.5	78.4	88.2	90.3	77.5	56.6
7.0	48.4	63.7	76.7	85.0	84.6	73.0	55.1
5.0	51.4	68.1	80.0	84.7	80.9	68.8	52.5
3.0	55.1	75.0	87.3	88.3	82.0	68.0	50.0
1.0	53.6	72.6	82.7	82.4	75.5	62.2	45.8

L1, L2, M1 (fixture locations noted on grid)

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:48 16-Mar-95
PROJECT: 34-910A   AREA: ELEC OFFICE 1-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.1   MAX=62.5   AVE=40.3   AVE/MIN=   3.07 MAX/MIN=   4.77

L8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 60.0 B= 50.0 C= 40.0 D= 30.0 E= 20.0
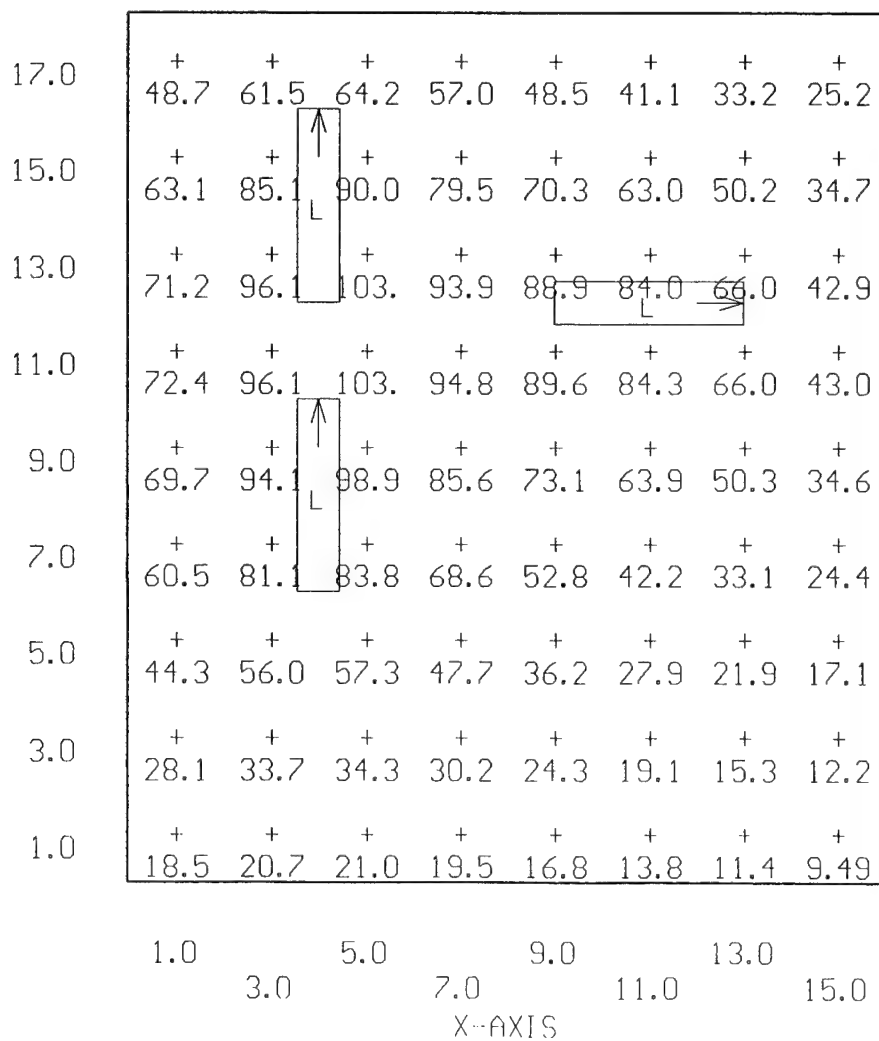

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:57 23-Dec-94
PROJECT: 34-910   AREA: ELEC SM PTS STO   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=26.2   MAX=78.8   AVE=54.0   AVE/MIN=   2.06 MAX/MIN=   3.00

M2 <2> = K8963 COLUMBIA CH440, (4) F40CW, LLF= 0.73

Y-AXIS

```
        ┌─────────────────────────────────────┐
        │  +      +      +      +      +       │
  17.0  │29.9   35.5   36.6   32.6   26.2      │
        │                                      │
        │  +      +      +      +      +       │
  15.0  │39.3   51.0   53.9   45.3   32.8      │
        │                                      │
        │  +      +      +      +      +       │
  13.0  │49.3   66.7   71.7   57.7   39.5      │
        │       ┌────────M2──────→┐            │
        │       └─────────────────┘            │
        │  +      +      +      +      +       │
  11.0  │52.6   70.9   75.9   61.5   42.8      │
        │                                      │
        │  +      +      +      +      +       │
   9.0  │51.0   65.0   68.6   57.9   42.4      │
        │                                      │
        │  +      +      +      +      +       │
   7.0  │50.6   63.3   66.3   56.9   42.8      │
        │                                      │
        │  +      +      +      +      +       │
   5.0  │53.2   69.9   74.2   61.4   43.7      │
        │   ┌─────+───M2+──→──┐                │
   3.0  │  +│   73.5   78.8   │63.1   +         │
        │54.1└──────────────────┘      43.0    │
        │                                      │
        │  +      +      +      +      +       │
   1.0  │49.6   65.0   68.3   56.2   39.9      │
        └─────────────────────────────────────┘

     0.5           4.5           8.5
         2.5           6.5
              X-AXIS
```
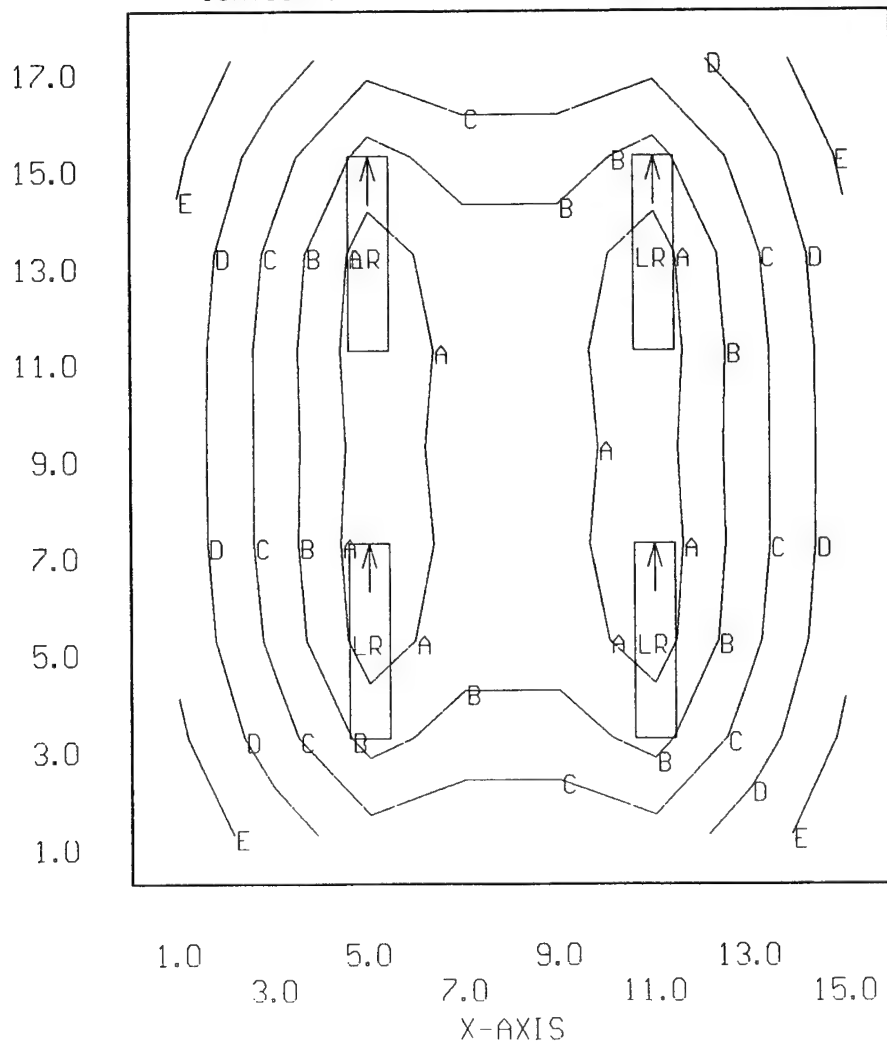
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:50 16-Mar-95
PROJECT: 34-910A AREA: ELEC PTS STO-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.0   MAX=38.4   AVE=26.0   AVE/MIN= 2.16 MAX/MIN= 3.19

L8 <2> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS

```
         +      +      +      +      +
17.0    13.7   16.5   17.1   15.1   12.0

          |      |      |      |      |
15.0     18.7   24.6   26.1   21.8   15.5

         +      +      +      +      +
13.0    24.1   32.9   35.4   28.4   19.1
                    L8  →

         +      +      +      +      +
11.0    25.7   34.9   37.5   30.2   20.5

         +      +      +      +      +
 9.0    24.5   31.5   33.3   28.0   20.2

         +      +      +      +      +
 7.0    23.9   30.3   31.9   27.2   20.1

         +      +      +      +      +
 5.0    25.4   33.9   36.1   29.7   20.7

         +      +   L8 +  →  +      +
 3.0    26.0   35.7   38.4   30.6   20.5

         +      +      +      +      +
 1.0    23.4   30.9   32.7   26.8   18.7

        0.5          4.5          8.5
             2.5          6.5
                 X-AXIS
```
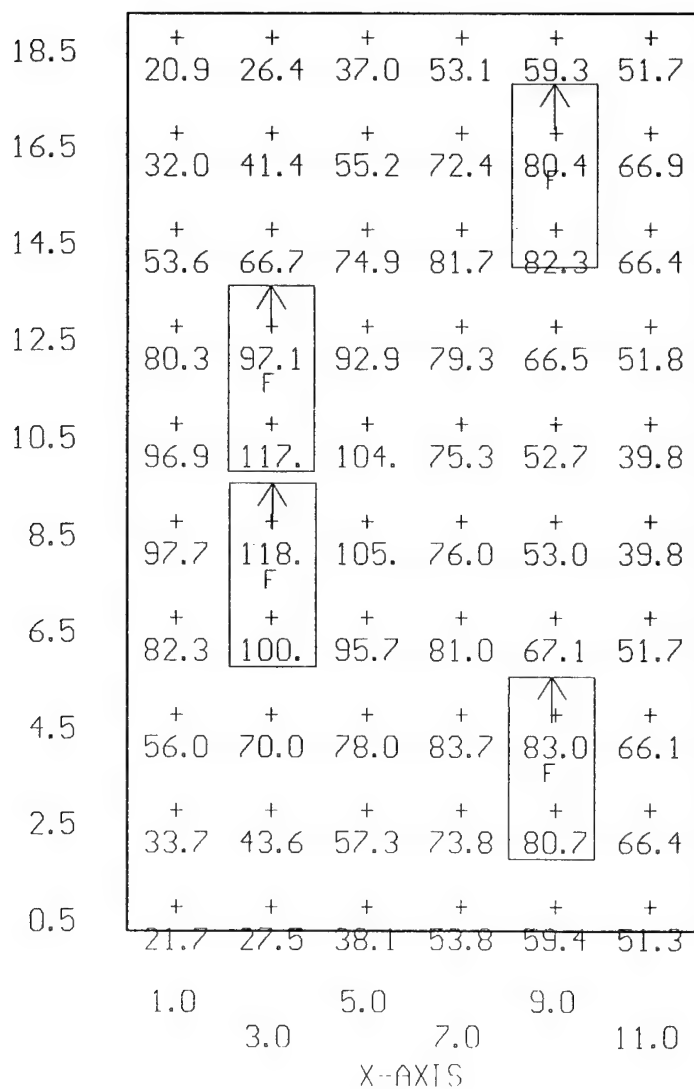
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   13:29 23-Dec-94
PROJECT: 34-910   AREA: LOCKSMITH   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.7   MAX=106.   AVE=61.7   AVE/MIN=   3.30 MAX/MIN=   5.66

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68
L3 <3> = K7990 COLUMBIA CSR240, (2) F40CW/RS/WM, LLF= 0.68
L4 <2> = 10366 COLUMBIA KL340-SOLID, (3) F40CW/RS/WM, LLF= 0.68

Y-AXIS

```
       +    +    +    +
48.5  18.7 19.2 19.2 18.9

       +    +    +    +
46.5  24.8 26.5 26.6 25.3

       +    +    +    +
44.5  34.0 38.6 39.0 35.3

       +    +    +    +
42.5  46.1 55.9 57.2 49.5

       +    +    +    +
40.5  56.4 72.1 76.1 65.3

       +    +    +    +
38.5  60.3 80.1 88.7 79.1

       +    +    +    +
36.5  58.4 78.4 91.9 87.1

       +    +    +    +
34.5  54.8 73.3 87.8 86.4

       +    +    +    +
32.5  53.1 70.8 85.3 85.0

       +    +    +    +
30.5  54.7 72.8 87.2 87.3

       +    +    +    +
28.5  59.5 77.9 90.9 88.1

       +    +    +    +
26.5  66.8 87.1 97.6 90.7

       +    +    +    +
24.5  72.2 95.1 106  96.1

       +    +    +    +
22.5  70.4 92.2 103  94.8

       +    +    +    +
20.5  62.6 80.5 91.5 86.9

       +    +    +    +
18.5  54.7 69.6 80.9 79.2

       +    +    +    +
16.5  50.0 63.1 74.0 73.6

       +    +    +    +
14.5  48.8 61.4 71.7 71.3

       +    +    +    +
12.5  50.3 63.2 71.9 68.9

       +    +    +    +
10.5  53.0 66.7 71.7 63.8

       +    +    +    +
 8.5  53.8 67.8 69.3 58.3

       +    +    +    +
 6.5  48.1 58.7 59.2 49.6

       +    +    +    +
 4.5  37.6 43.5 43.6 38.0

       +    +    +    +
 2.5  27.6 30.0 30.0 27.7

       +    +    +    +
 0.5  20.5 21.3 21.2 20.4

      1.0     5.0
         3.0     7.0
         X-AXIS
```
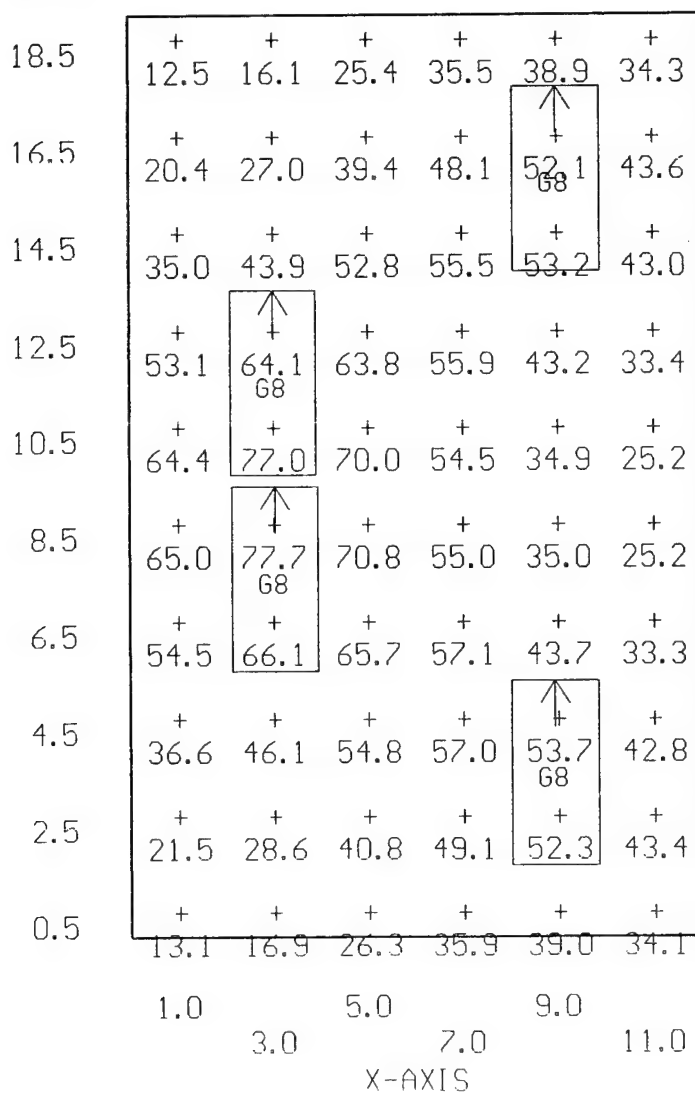
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:59 16-Mar-95
PROJECT: 34-910A   AREA: LOCKSMITH-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.8   MAX=114.   AVE=53.5   AVE/MIN=   4.55 MAX/MIN=   9.69

L8 ⟨2⟩ = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66
LR ⟨5⟩ = T11307 METALOPTICS ISSOFSFTTSO42EP11, (2) FO32/35K, LLF= 0.81

Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
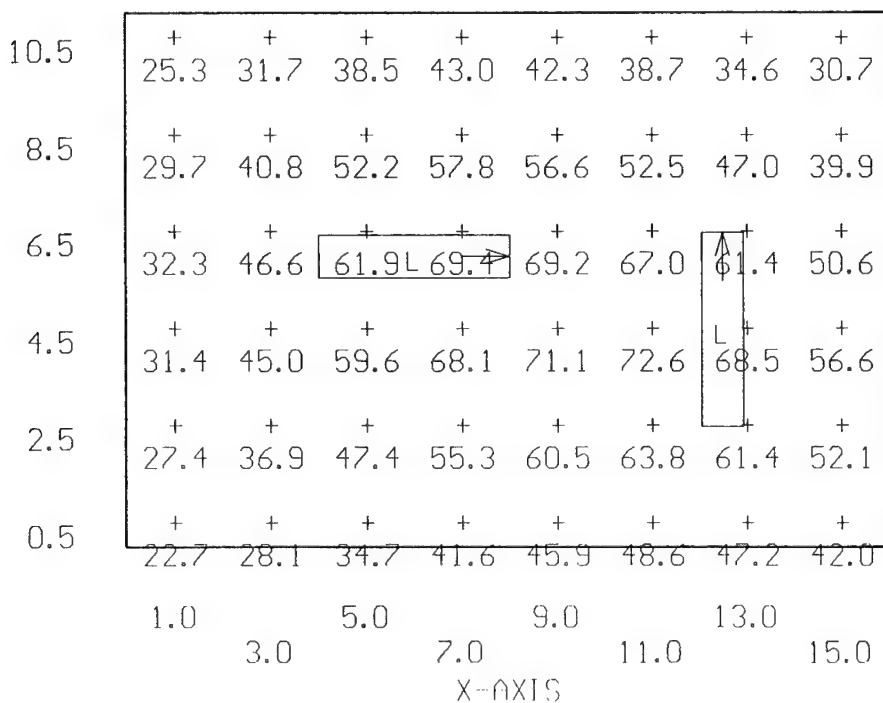
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:02 23-Dec-94
PROJECT: 34-910   AREA: INSTR SHOP BRK   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.0   MAX=115.   AVE=52.9   AVE/MIN=   4.79 MAX/MIN=   10.43

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

17.0	11.0	14.5	20.5	28.3	34.5	36.3	32.8	27.0
15.0	12.9	18.4	28.2	42.9	57.0	60.9	52.9	40.6
13.0	14.7	21.7	35.4	58.1	82.6	91.3	79.8	61.7
11.0	16.0	23.8	39.1	64.6	93.7	109.	104.	84.6
9.0	16.7	24.8	39.7	62.8	89.6	110.	115.	97.8
7.0	16.8	24.8	39.6	62.3	87.9	106.	108.	90.9
5.0	16.0	23.8	38.9	63.6	90.3	101.	90.6	71.2
3.0	14.6	21.7	35.3	57.5	80.1	85.1	70.6	51.4
1.0	13.0	18.3	28.4	43.6	56.4	58.6	49.4	37.3

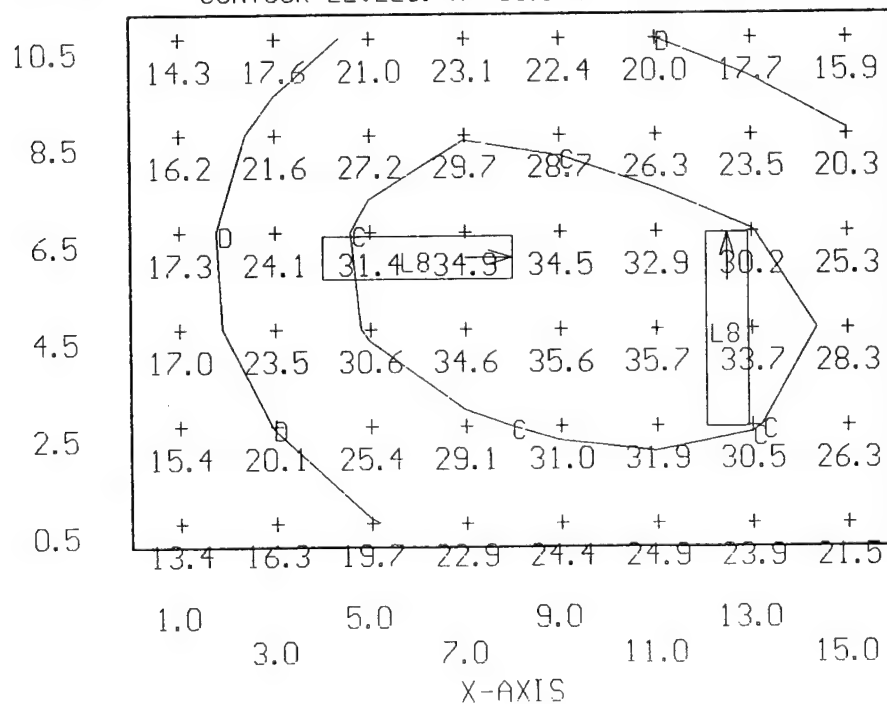| 1.0		5.0		9.0		13.0	
	3.0		7.0		11.0		15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:41 16-Mar-95
PROJECT: 34-910A AREA: INSTR SHP BRK-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.2   MAX=45.9   AVE=35.1   AVE/MIN=   1.58 MAX/MIN=   2.07

L8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66
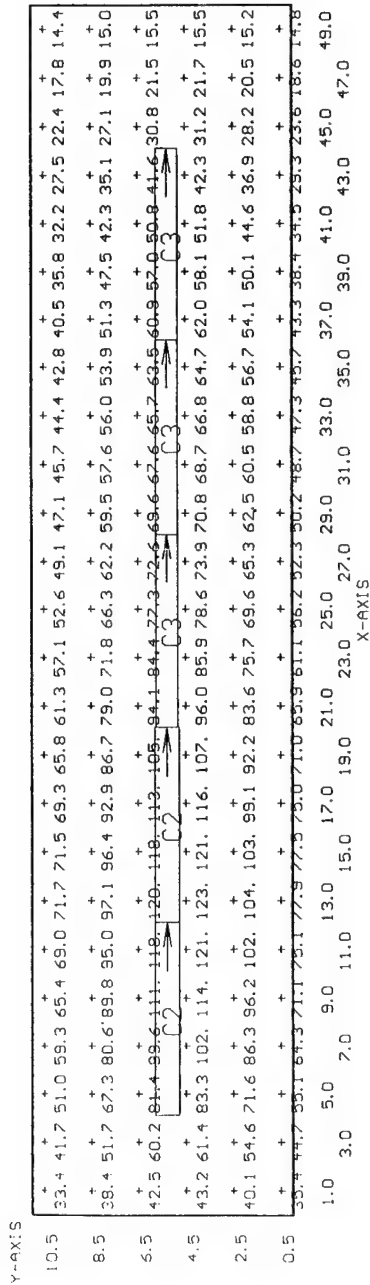

Y-AXIS

17.0	+ 22.2	+ 25.8	+ 28.8	+ 31.1	+ 31.1	+ 28.8	+ 25.8	+ 22.2
15.0	26.3	32.2	36.5	39.1	39.1	36.5	32.2	26.3
13.0	+ 29.8	+ 36.6	L8 41.9	+ 44.7	+ 44.7	L8 41.9	+ 36.6	+ 29.8
11.0	+ 31.1	+ 37.7	42.9	+ 45.9	+ 45.9	42.9	+ 37.7	+ 31.1
9.0	+ 31.2	+ 37.5	+ 42.4	+ 45.5	+ 45.5	+ 42.4	+ 37.5	+ 31.2
7.0	+ 31.1	+ 37.7	42.9	+ 45.9	+ 45.9	42.9	+ 37.7	+ 31.1
5.0	+ 29.8	+ 36.6	L8 41.9	+ 44.7	+ 44.7	L8 41.9	+ 36.6	+ 29.8
3.0	+ 26.3	+ 32.2	+ 36.5	+ 39.1	+ 39.1	+ 36.5	+ 32.2	+ 26.3
1.0	+ 22.2	+ 25.8	+ 28.8	+ 31.1	+ 31.1	+ 28.8	+ 25.8	+ 22.2

```
    1.0         5.0         9.0         13.0
        3.0         7.0         11.0        15.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:18 23-Dec-94
PROJECT: 34-910 AREA: INST ENTRANCE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.5   MAX=77.0   AVE=42.1   AVE/MIN=   4.03 MAX/MIN=   7.36

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

18.5	12.5	15.1	18.4	24.6	32.6	41.8	46.1	40.6	30.0	20.8
16.5	17.0	21.7	26.7	33.3	44.4	60.2	68.5	58.4	39.1	24.4
14.5	24.3	33.6	41.0	45.9	54.0	68.8	76.8	64.6	42.2	25.8
12.5	34.2	50.8	62.4	62.4	59.6	63.1	64.9	54.9	38.3	24.9
10.5	39.9	62.0	72.0	72.4	60.1	54.2	51.0	43.6	32.9	23.2
8.5	37.4	56.5	69.4	66.6	57.5	53.5	51.0	43.8	32.9	23.2
6.5	28.3	39.6	48.1	50.9	53.7	61.0	64.4	55.0	38.3	24.9
4.5	19.1	25.3	31.1	37.5	48.8	66.2	75.7	64.1	41.9	25.6
2.5	13.7	17.2	21.6	28.7	41.0	57.9	66.9	57.4	38.5	24.1
0.5	10.5	12.6	15.7	22.1	30.6	40.0	44.6	39.6	29.4	20.4

```
    1.0        5.0        9.0        13.0        17.0
        3.0        7.0        11.0        15.0        19.0
                        X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:47 16-Mar-95
PROJECT: 34-910A   AREA: INST ENTRANCE-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.8   MAX=38.5   AVE=28.1   AVE/MIN= 1.78 MAX/MIN=   2.44

L8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS

18.5	+ 15.8	+ 18.8	+ 21.5	+ 23.6	+ 24.2	+ 24.2	+ 23.6	+ 21.5	+ 18.8	+ 15.8
16.5	+ 18.0	+ 22.8	+ 27.2	+ 29.5	+ 29.8	+ 29.8	+ 29.5	+ 27.2	+ 22.8	+ 18.0
14.5	+ 20.0	+ 26.4	+ 32.3	+ 34.9	+ 34.8	+ 34.8	+ 34.9	+ 32.3	+ 26.4	+ 20.0
			L8				L8			
12.5	+ 21.5	+ 28.4	+ 34.8	+ 37.8	+ 37.7	+ 37.7	+ 37.8	+ 34.8	+ 28.4	+ 21.5
10.5	+ 22.4	+ 29.0	+ 35.1	+ 38.2	+ 38.5	+ 38.5	+ 38.2	+ 35.1	+ 29.0	+ 22.4
8.5	+ 22.4	+ 29.0	+ 35.1	+ 38.2	+ 38.5	+ 38.5	+ 38.2	+ 35.1	+ 29.0	+ 22.4
6.5	+ 21.5	+ 28.4	+ 34.8	+ 37.8	+ 37.7	+ 37.7	+ 37.8	+ 34.8	+ 28.4	+ 21.5
			L8				L8			
4.5	+ 20.0	+ 26.4	+ 32.3	+ 34.9	+ 34.8	+ 34.8	+ 34.9	+ 32.3	+ 26.4	+ 20.0
2.5	+ 18.0	+ 22.8	+ 27.2	+ 29.5	+ 29.8	+ 29.8	+ 29.5	+ 27.2	+ 22.8	+ 18.0
0.5	+ 15.8	+ 18.8	+ 21.5	+ 23.6	+ 24.2	+ 24.2	+ 23.6	+ 21.5	+ 18.8	+ 15.8

1.0		5.0		9.0		13.0		17.0	
	3.0		7.0		11.0		15.0		19.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 13:59 23-Dec-94
PROJECT: 34-910 AREA: INST SHOP WORK GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.49   MAX=103.   AVE=53.7   AVE/MIN= 5.65 MAX/MIN= 10.82

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

17.0	+ 48.7	+ 61.5	+ 64.2	+ 57.0	+ 48.5	+ 41.1	+ 33.2	+ 25.2
15.0	+ 63.1	+ 85.1	+ 90.0	+ 79.5	+ 70.3	+ 63.0	+ 50.2	+ 34.7
13.0	+ 71.2	+ 96.1	+ 103.	+ 93.9	+ 88.9	+ 84.0	+ 66.0	+ 42.9
11.0	+ 72.4	+ 96.1	+ 103.	+ 94.8	+ 89.6	+ 84.3	+ 66.0	+ 43.0
9.0	+ 69.7	+ 94.1	+ 98.9	+ 85.6	+ 73.1	+ 63.9	+ 50.3	+ 34.6
7.0	+ 60.5	+ 81.1	+ 83.8	+ 68.6	+ 52.8	+ 42.2	+ 33.1	+ 24.4
5.0	+ 44.3	+ 56.0	+ 57.3	+ 47.7	+ 36.2	+ 27.9	+ 21.9	+ 17.1
3.0	+ 28.1	+ 33.7	+ 34.3	+ 30.2	+ 24.3	+ 19.1	+ 15.3	+ 12.2
1.0	+ 18.5	+ 20.7	+ 21.0	+ 19.5	+ 16.8	+ 13.8	+ 11.4	+ 9.49

1.0   5.0   9.0   13.0
   3.0   7.0   11.0   15.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:52 16-Mar-95
PROJECT: 34-910A   AREA: INST SHP WORK-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.6   MAX=76.6   AVE=50.6   AVE/MIN=   2.15 MAX/MIN=   3.25

LR <4> = T11307 METALOPTICS ISSOFSFTTSO42EP11, (2) FO32/35K, LLF= 0.81

Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
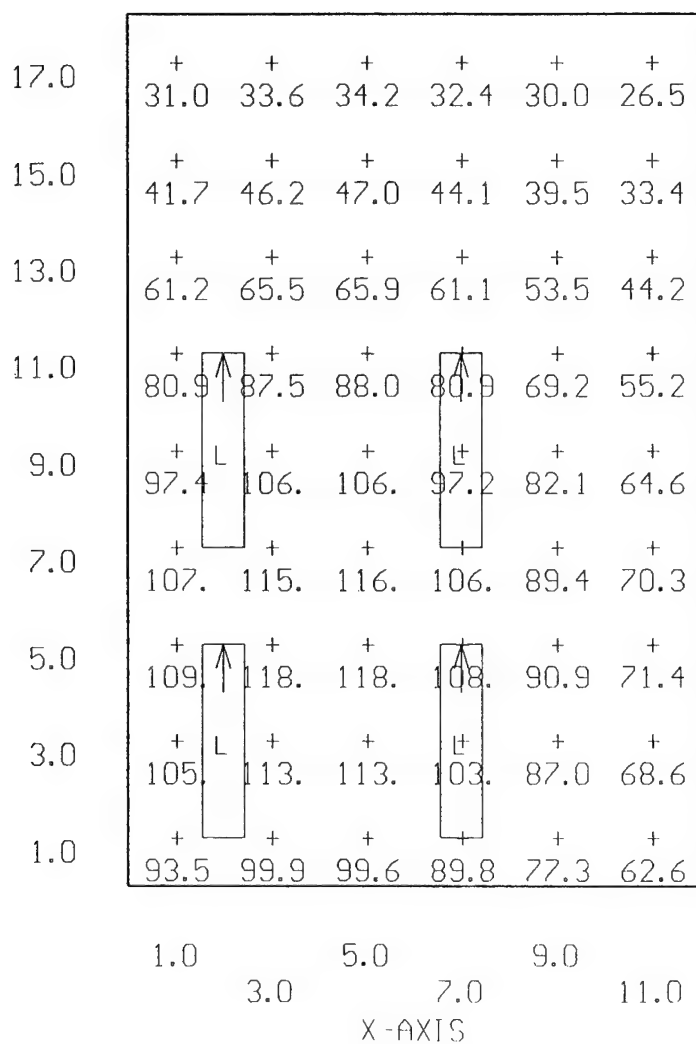

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:36 23-Dec-94
PROJECT: 34-910   AREA: INST SHP OFFICE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.9   MAX=118.   AVE=66.5   AVE/MIN=   3.18 MAX/MIN=   5.67

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

+	+	+	+	+	+
18.5 20.9	26.4	37.0	53.1	59.3	51.7
+	+	+	+	+	+
16.5 32.0	41.4	55.2	72.4	80.4 F	66.9
+	+	+	+	+	+
14.5 53.6	66.7	74.9	81.7	82.3	66.4
+	+	+	+	+	+
12.5 80.3	97.1 F	92.9	79.3	66.5	51.8
+	+	+	+	+	+
10.5 96.9	117.	104.	75.3	52.7	39.8
+	+	+	+	+	+
8.5 97.7	118. F	105.	76.0	53.0	39.8
+	+	+	+	+	+
6.5 82.3	100.	95.7	81.0	67.1	51.7
+	+	+	+	+	+
4.5 56.0	70.0	78.0	83.7	83.0 F	66.1
+	+	+	+	+	+
2.5 33.7	43.6	57.3	73.8	80.7	66.4
+	+	+	+	+	+
0.5 21.7	27.5	38.1	53.8	59.4	51.3

          1.0   5.0   9.0
                3.0   7.0   11.0
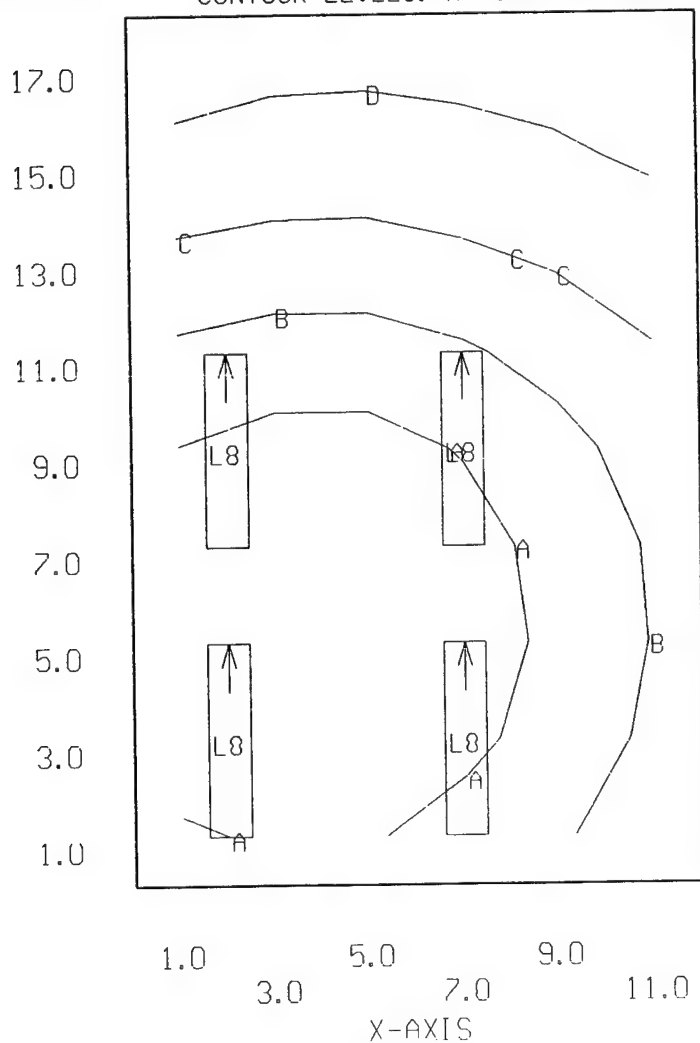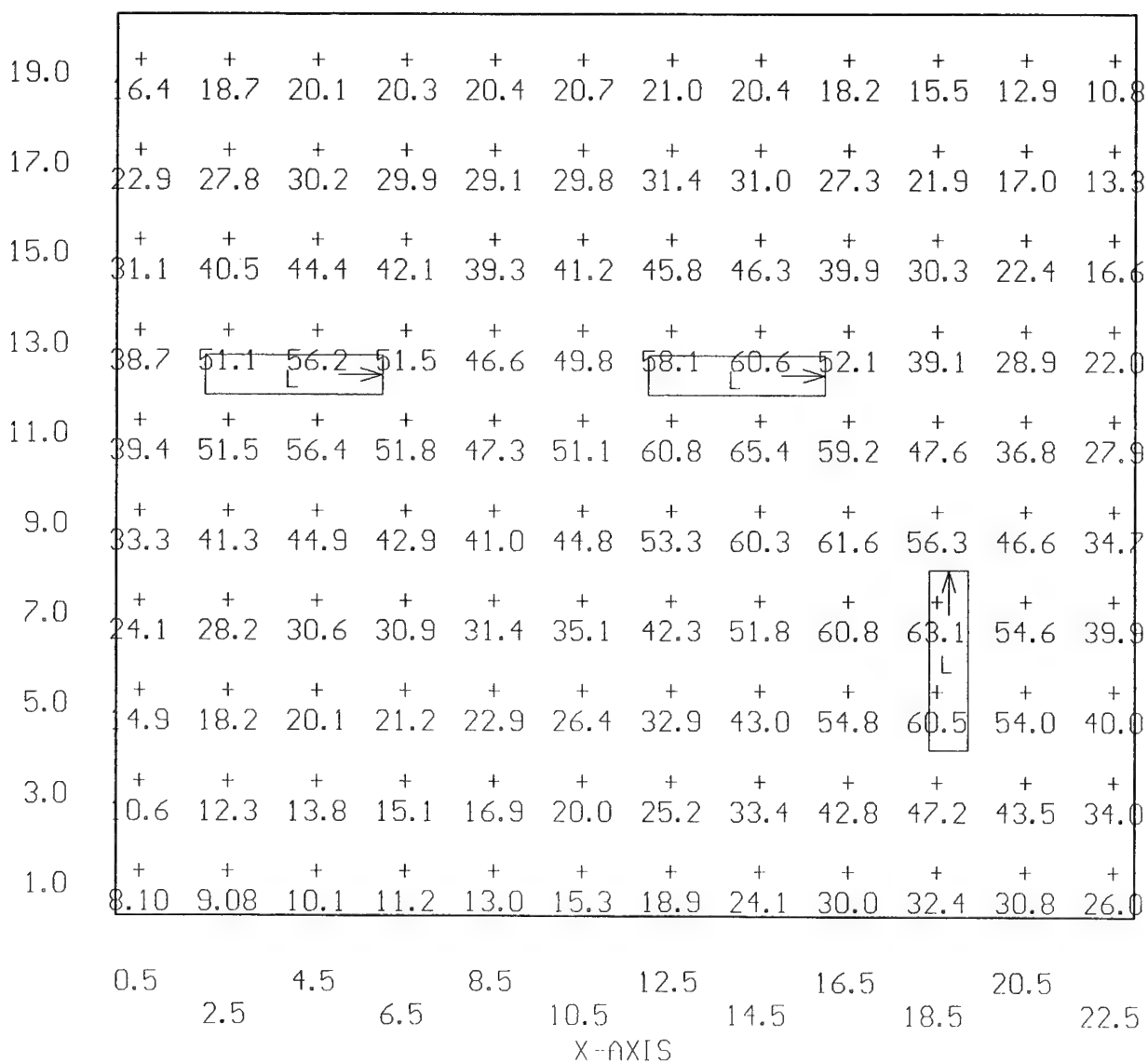   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:56 16-Mar-95
PROJECT: 34-910A   AREA: INST SHP OFC-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.5   MAX=77.7   AVE=44.3   AVE/MIN=   3.55 MAX/MIN=   6.22

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.69

Y-AXIS

18.5	+ 12.5	+ 16.1	+ 25.4	+ 35.5	+ 38.9	+ 34.3
16.5	+ 20.4	+ 27.0	+ 39.4	+ 48.1	+ 52.1 G8	+ 43.6
14.5	+ 35.0	+ 43.9	+ 52.8	+ 55.5	+ 53.2	+ 43.0
12.5	+ 53.1	+ 64.1 G8	+ 63.8	+ 55.9	+ 43.2	+ 33.4
10.5	+ 64.4	+ 77.0	+ 70.0	+ 54.5	+ 34.9	+ 25.2
8.5	+ 65.0	+ 77.7 G8	+ 70.8	+ 55.0	+ 35.0	+ 25.2
6.5	+ 54.5	+ 66.1	+ 65.7	+ 57.1	+ 43.7	+ 33.3
4.5	+ 36.6	+ 46.1	+ 54.8	+ 57.0	+ 53.7 G8	+ 42.8
2.5	+ 21.5	+ 28.6	+ 40.8	+ 49.1	+ 52.3	+ 43.4
0.5	+ 13.1	+ 16.9	+ 26.3	+ 35.9	+ 39.0	+ 34.1

```
        1.0         5.0         9.0
            3.0         7.0         11.0
                   X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:46 23-Dec-94
PROJECT: 34-910 AREA: WASH AREA GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.7   MAX=72.6   AVE=48.1   AVE/MIN=   2.12 MAX/MIN=   3.20

L <2> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

```
10.5    +      +      +      +      +      +      +      +
      25.3   31.7   38.5   43.0   42.3   38.7   34.6   30.7

 8.5    +      +      +      +      +      +      +      +
      29.7   40.8   52.2   57.8   56.6   52.5   47.0   39.9

 6.5    +      +      +      +      +      +      +      +
      32.3   46.6  |61.9L 69.7|  69.2   67.0  |61.4|  50.6

 4.5    +      +      +      +      +      +      +      +
      31.4   45.0   59.6   68.1   71.1   72.6  |68.5|  56.6
                                             L |    |

 2.5    +      +      +      +      +      +      +      +
      27.4   36.9   47.4   55.3   60.5   63.8   61.4   52.1

 0.5    +      +      +      +      +      +      +      +
      22.7   28.1   34.7   41.6   45.9   48.6   47.2   42.0
```

```
        1.0          5.0          9.0          13.0
             3.0          7.0          11.0         15.0
                         X-AXIS
```
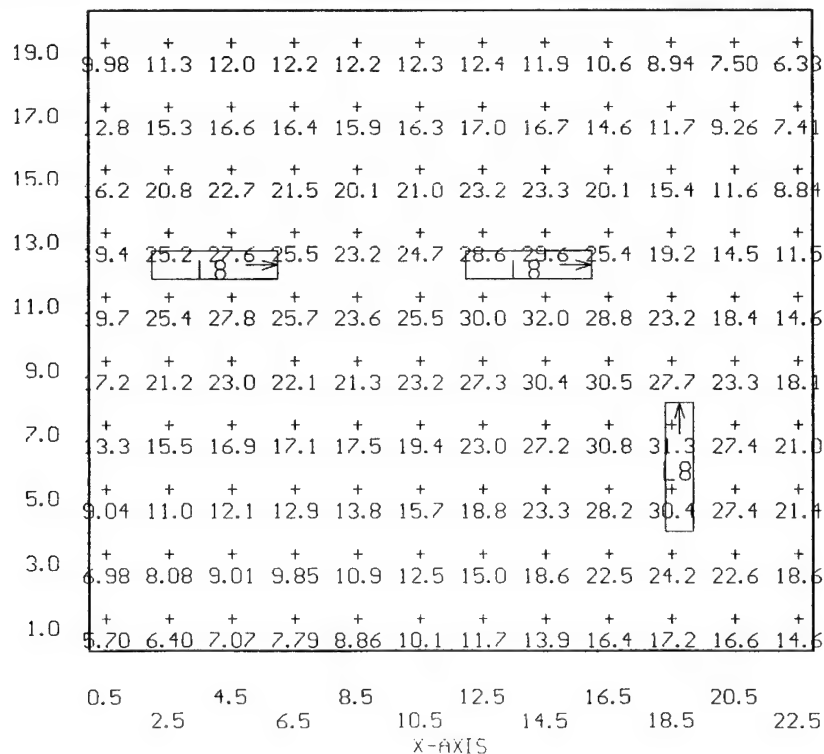
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:59 16-Mar-95
PROJECT: 34-910A   AREA: WASH AREA-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.4   MAX=35.7   AVE=24.8   AVE/MIN=   1.85 MAX/MIN=   2.66

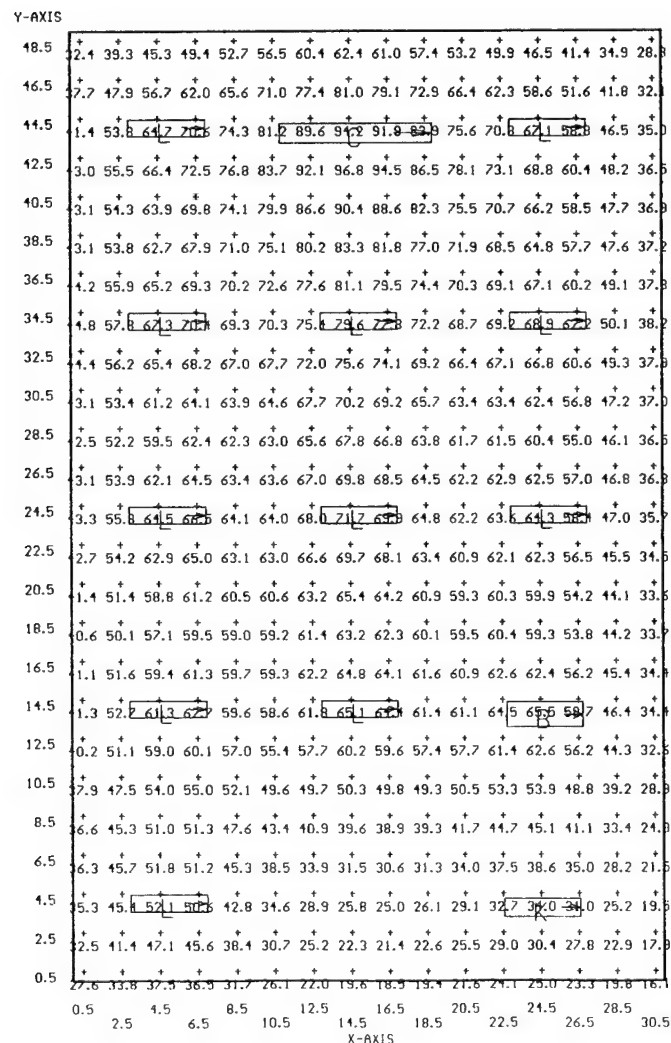L8 <2> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

```
          +      +      +      +      +      +      +      +
  10.5   14.3   17.6   21.0   23.1   22.4   20.0   17.7   15.9

          +      +      +      +      +      +      +      +
   8.5   16.2   21.6   27.2   29.7   28.7   26.3   23.5   20.3

          +  D   +      C+     +      +      +      +      +
   6.5   17.3   24.1   31.4  L834.9  34.5   32.9   30.2   25.3

          +      +      +      +      +      +   L8 +      +
   4.5   17.0   23.5   30.6   34.6   35.6   35.7   33.7   28.3

          +      D      +      +    C +      +      +C     +
   2.5   15.4   20.1   25.4   29.1   31.0   31.9   30.5   26.3

          +      +      +      +      +      +      +      +
   0.5   13.4   16.3   19.7   22.9   24.4   24.9   23.9   21.5
```

       1.0   5.0   9.0   13.0
            3.0   7.0   11.0   15.0
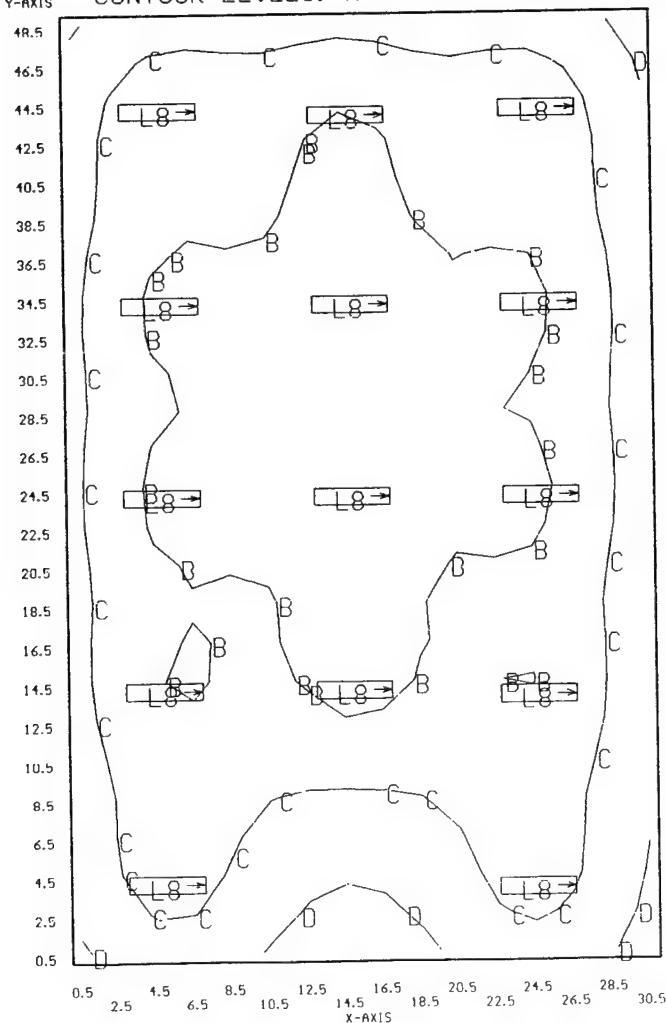   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 09:45 28-Dec-94
PROJECT: 34-910 AREA: MILLWRIGHT ENT1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.4   MAX=123.   AVE=62.4   AVE/MIN= 4.35 MAX/MIN= 8.55

C2 <2> = K7983M COLUMBIA KP496, <4> F96T12/CW/WM, LLF= 0.69
C3 <3> = K7993 COLUMBIA CSR296, <2> F96T12/CW/WM, LLF= 0.69

Y-axis

| Y\X	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0	37.0	39.0	41.0	43.0	45.0	47.0	49.0
10.5	33.4	41.7	51.0	59.3	65.4	69.0	71.7	71.5	69.3	65.8	61.3	57.1	52.6	49.1	47.1	45.7	44.4	42.8	40.5	35.8	32.2	27.5	22.4	17.8	14.4
8.5	38.4	51.7	67.3	80.6	89.8	95.0	97.1	96.4	92.9	86.7	79.0	71.8	66.3	62.2	59.5	57.6	56.0	53.9	51.3	47.5	42.3	35.1	27.1	19.9	15.0
6.5	42.5	60.2	81.4	99.6	111.	118.	120.	118.	113.	105.	94.1	84.4	77.3	72.6	69.6	67.6	65.7	63.5	60.9	52.0	50.8	41.6	30.8	21.5	15.5
4.5	43.2	61.4	83.3	102.	114.	121.	123.	121.	116.	107.	96.0	85.9	78.6	73.9	70.8	68.7	66.8	64.7	62.0	58.1	51.8	42.3	31.2	21.7	15.5
2.5	40.1	54.6	71.6	86.3	96.2	102.	104.	103.	99.1	92.2	83.6	75.7	69.6	65.3	62.5	60.5	58.8	56.7	54.1	50.1	44.6	36.9	28.2	20.5	15.2
0.5	35.4	44.7	55.1	64.3	71.1	75.1	77.3	75.0	71.0	65.9	61.1	56.2	52.3	50.2	48.7	47.3	45.7	43.3	38.4	34.5	25.3	23.6	18.6	14.8

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:05 16-Mar-95
PROJECT: 34-910A AREA: MILLWRT ENT1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.7   MAX=38.3   AVE=25.2   AVE/MIN=   2.36 MAX/MIN=   3.58

C8 <3> = K7993 COLUMBIA CSR296, <2> F096/735, LLF= 0.66

Y-AXIS

10.5	10.7	13.1	16.3	19.9	23.0	24.8	25.6	24.6	23.7	23.9	25.3	27.0	25.3	23.7	24.6	25.5	24.8	23.0	19.9	16.3	13.1	10.7	
8.5	10.7	13.3	18.5	23.8	28.6	31.2	31.0	28.8	26.9	27.2	29.7	32.6	29.7	27.2	26.9	28.8	31.0	31.2	28.6	23.8	18.5	13.9	10.7
6.5	10.9	14.5	19.9	26.7	32.7	35.0	31.8	29.1	29.4	32.7	36.6	36.6	32.7	29.4	29.1	31.8	35.0	35.7	32.7	26.7	19.9	14.5	10.9
4.5	10.9	14.5	19.9	26.7	32.7	35.7	35.0	31.8	29.1	29.4	32.7	36.6	38.3	36.6	32.7	29.4	29.1	31.8	35.0	35.7	32.7	26.7	19.9
2.5	10.7	13.9	18.5	23.8	28.6	31.2	31.0	28.8	26.9	27.2	29.7	32.6	33.9	32.6	29.7	27.2	26.9	28.8	31.0	31.2	28.6	23.8	18.5
0.5	10.7	13.1	16.3	19.9	23.0	24.8	25.6	24.6	23.7	23.9	25.3	27.0	27.7	27.0	25.3	23.9	23.7	24.6	25.5	24.8	23.0	19.9	16.3

1.0 3.0 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0 21.0 23.0 25.0 27.0 29.0 31.0 33.0 35.0 37.0 39.0 41.0 43.0 45.0 47.0 49.0

X-AXIS

CSI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:32 28-Dec-94
PROJECT: 34-910 AREA: MILLWRIGHT ENT2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.1   MAX=106.   AVE=52.4   AVE/MIN= 4.70   MAX/MIN= 9.51
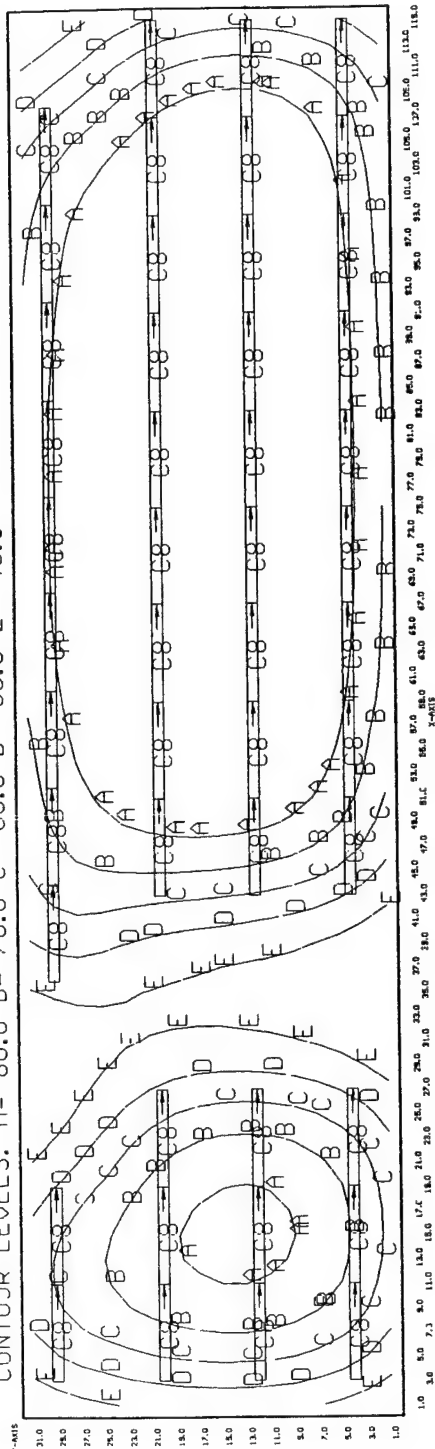
C2 <2> = K7983M COLUMBIA KP496, <4> F96T12/CW/WM, LLF= 0.69

Y-axis

y \ x	0.5	2.5	4.5	6.5	8.5	10.5	12.5	14.5	16.5	18.5	20.5
17.0	11.1	13.5	17.7	24.6	32.9	42.4	49.6	51.3	47.2	39.9	32.0
15.0	12.1	15.4	20.9	29.9	42.9	58.0	69.6	72.4	65.8	52.9	39.4
13.0	13.0	16.8	23.2	34.5	51.6	72.2	87.9	91.8	82.5	94.6	45.8
11.0	14.0	18.0	25.0	37.0	55.1	76.7	93.1	97.4	87.7	69.0	49.8
9.0	14.6	18.8	26.0	37.6	54.3	73.0	87.2	90.7	82.7	66.8	50.1
7.0	14.8	19.1	26.5	37.9	53.7	70.8	83.6	87.0	80.0	65.9	50.3
5.0	14.4	18.9	26.4	38.6	56.1	75.8	90.7	94.5	86.1	69.9	52.3
3.0	13.7	18.0	25.7	38.7	58.5	82.6	101.	106.	94.7	54.4	
1.0	12.7	16.4	23.5	36.9	55.3	81.3	102.	106.	92.6	72.7	53.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:08 16-Mar-95
PROJECT: 34-910A AREA: MILLWRT ENT2-N GRID: Ceiling
Values are FC, SCALE: . IN= 8.0FT, HORZ GRID (V), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.05 MAX=53.6 AVE=26.2 AVE/MIN= 4.33 MAX/MIN= 8.85

C8 <2> = K7993 COLUMBIA CSR296, <2> F096/735, LLF= 0.66

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

Y-AXIS

Y											
17.0	6.05	7.28	9.44	13.0	17.2	22.1	25.9	26.7	24.6	20.9	16.3
15.0	6.45	8.06	10.8	15.2	21.6	28.0	34.7	36.1	32.9	26.6	20.1
13.0	6.77	8.65	11.7	17.5	25.3	35.2	42.8	40.7	41.8	22.3	
11.0	7.26	9.17	12.5	18.2	27.0	37.3	45.3	47.4	42.8	33.9	24.3
9.0	7.56	9.58	13.1	18.7	26.9	36.2	43.2	44.9	41.1	33.3	25.2
7.0	7.62	9.76	13.4	19.1	26.9	35.4	41.9	43.7	40.2	33.2	25.5
5.0	7.39	9.64	13.3	19.3	28.0	37.8	45.3	47.2	43.1	35.1	26.7
3.0	7.00	9.10	12.9	19.2	28.9	40.2	50.2	53.3	47.2	27.4	
1.0	6.55	8.30	11.8	18.2	27.4	40.8	51.7	53.6	46.4	36.7	27.1

0.5 2.5 4.5 6.5 8.5 10.5 12.5 14.5 16.5 18.5 20.5

X-AXIS
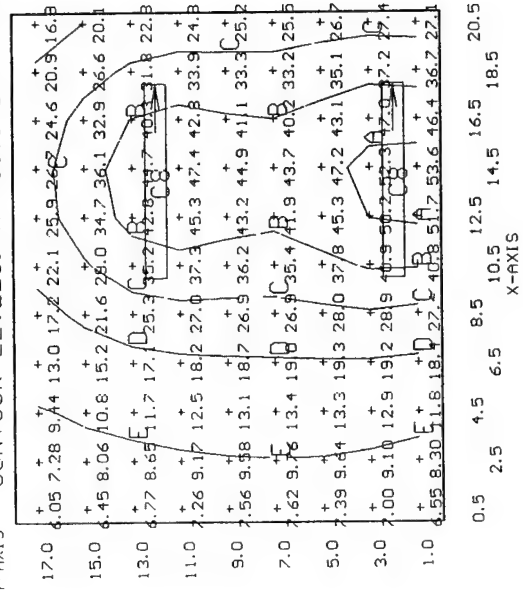
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:07 28-Dec-94
PROJECT: 34-910   AREA: MILLWRIGHT OFC   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=26.5   MAX=118.   AVE=76.6   AVE/MIN=   2.89 MAX/MIN=   4.45

L <4> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

```
17.0    +      +      +      +      +      +
      31.0   33.6   34.2   32.4   30.0   26.5

15.0    +      +      +      +      +      +
      41.7   46.2   47.0   44.1   39.5   33.4

13.0    +      +      +      +      +      +
      61.2   65.5   65.9   61.1   53.5   44.2

11.0    +      +      +      +      +      +
      80.9   87.5   88.0   80.9   69.2   55.2

 9.0    +  L   +      +      +      +      +
      97.4   106.   106.   97.2   82.1   64.6

 7.0    +      +      +      +      +      +
      107.   115.   116.   106.   89.4   70.3

 5.0    +      +      +      +      +      +
      109.   118.   118.   108.   90.9   71.4

 3.0    +  L   +      +      +      +      +
      105.   113.   113.   103.   87.0   68.6

 1.0    +      +      +      +      +      +
      93.5   99.9   99.6   89.8   77.3   62.6
```

        1.0   5.0   9.0
             3.0   7.0   11.0
                  X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:11 16-Mar-95
PROJECT: 34-910A   AREA: MILLWRT OFC-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.1   MAX=59.6   AVE=39.8   AVE/MIN=   2.64 MAX/MIN=   3.95

L8 <4> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:22 28-Dec-94
PROJECT: 34-910   AREA: MILLWRIGHT STO   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.10   MAX=65.4   AVE=34.4   AVE/MIN=   4.24 MAX/MIN=   8.07

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

```
       +     +     +     +     +     +     +     +     +     +     +     +
19.0  16.4  18.7  20.1  20.3  20.4  20.7  21.0  20.4  18.2  15.5  12.9  10.8

       +     +     +     +     +     +     +     +     +     +     +     +
17.0  22.9  27.8  30.2  29.9  29.1  29.8  31.4  31.0  27.3  21.9  17.0  13.3

       +     +     +     +     +     +     +     +     +     +     +     +
15.0  31.1  40.5  44.4  42.1  39.3  41.2  45.8  46.3  39.9  30.3  22.4  16.6

       +     +     +     +     +     +     +     +     +     +     +     +
13.0  38.7  51.1  56.2  51.5  46.6  49.8  58.1  60.6  52.1  39.1  28.9  22.0
                    L                          L

       +     +     +     +     +     +     +     +     +     +     +     +
11.0  39.4  51.5  56.4  51.8  47.3  51.1  60.8  65.4  59.2  47.6  36.8  27.9

       +     +     +     +     +     +     +     +     +     +     +     +
 9.0  33.3  41.3  44.9  42.9  41.0  44.8  53.3  60.3  61.6  56.3  46.6  34.7

       +     +     +     +     +     +     +     +     +     +     +     +
 7.0  24.1  28.2  30.6  30.9  31.4  35.1  42.3  51.8  60.8  63.1  54.6  39.9
                                                          L

       +     +     +     +     +     +     +     +     +     +     +     +
 5.0  14.9  18.2  20.1  21.2  22.9  26.4  32.9  43.0  54.8  60.5  54.0  40.0

       +     +     +     +     +     +     +     +     +     +     +     +
 3.0  10.6  12.3  13.8  15.1  16.9  20.0  25.2  33.4  42.8  47.2  43.5  34.0

       +     +     +     +     +     +     +     +     +     +     +     +
 1.0  8.10  9.08  10.1  11.2  13.0  15.3  18.9  24.1  30.0  32.4  30.8  26.0
```

```
   0.5         4.5         8.5         12.5        16.5        20.5
        2.5         6.5         10.5        14.5        18.5        22.5
                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:14 16-Mar-95
PROJECT: 34-910A   AREA: MILLWRT STO-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=5.70   MAX=32.0   AVE=18.1   AVE/MIN=   3.18 MAX/MIN=   5.61

L8 <3> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.66

Y-AXIS

19.0	9.98	11.3	12.0	12.2	12.2	12.3	12.4	11.9	10.6	8.94	7.50	6.3
17.0	12.8	15.3	16.6	16.4	15.9	16.3	17.0	16.7	14.6	11.7	9.26	7.4
15.0	16.2	20.8	22.7	21.5	20.1	21.0	23.2	23.3	20.1	15.4	11.6	8.8
13.0	19.4	25.2	27.6	25.5	23.2	24.7	28.6	29.6	25.4	19.2	14.5	11.5
11.0	19.7	25.4	27.8	25.7	23.6	25.5	30.0	32.0	28.8	23.2	18.4	14.6
9.0	17.2	21.2	23.0	22.1	21.3	23.2	27.3	30.4	30.5	27.7	23.3	18.1
7.0	13.3	15.5	16.9	17.1	17.5	19.4	23.0	27.2	30.8	31.3	27.4	21.0
5.0	9.04	11.0	12.1	12.9	13.8	15.7	18.8	23.3	28.2	30.4	27.4	21.4
3.0	6.98	8.08	9.01	9.85	10.9	12.5	15.0	18.6	22.5	24.2	22.6	18.6
1.0	5.70	6.40	7.07	7.79	8.86	10.1	11.7	13.9	16.4	17.2	16.6	14.6

```
   0.5         4.5        8.5        12.5       16.5       20.5
        2.5         6.5        10.5       14.5       18.5       22.5
                               X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:20 28-Dec-94
PROJECT: 34-910   AREA: MILLWRIGHT SHP1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.1   MAX=96.8   AVE=54.6   AVE/MIN=   3.39 MAX/MIN=   6.01

B <1> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68
C <1> = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.67
K <1> = 7991 COLUMBIA CSR240-A, (2) F40CW, LLF= 0.68
L <11> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

Y																
48.5	32.4	39.3	45.3	49.4	52.7	56.5	60.4	62.4	61.0	57.4	53.2	49.9	46.5	41.4	34.9	28.8
46.5	37.7	47.9	56.7	62.0	65.6	71.0	77.4	81.0	79.1	72.9	66.4	62.3	58.6	51.6	41.8	32.1
44.5	41.4	53.8	64.7	70.6	74.3	81.2	89.6	94.2	91.9	83.9	75.6	70.8	67.1	58.8	46.5	35.0
42.5	43.0	55.5	66.4	72.5	76.8	83.7	92.1	96.8	94.5	86.5	78.1	73.1	68.8	60.4	48.2	36.5
40.5	43.1	54.3	63.9	69.8	74.1	79.9	86.6	90.4	88.6	82.3	75.5	70.7	66.2	58.5	47.7	36.8
38.5	43.1	53.8	62.7	67.9	71.0	75.1	80.2	83.3	81.8	77.0	71.9	68.5	64.8	57.7	47.6	37.2
36.5	44.2	55.9	65.2	69.3	70.2	72.6	77.6	81.1	79.5	74.4	70.3	69.1	67.1	60.2	49.1	37.8
34.5	44.8	57.8	67.3	70.4	69.3	70.3	75.4	79.6	77.8	72.2	68.7	69.2	68.9	62.2	50.1	38.2
32.5	44.4	56.2	65.4	68.2	67.0	67.7	72.0	75.6	74.1	69.2	66.4	67.1	66.8	60.6	49.3	37.8
30.5	43.1	53.4	61.2	64.1	63.9	64.6	67.7	70.2	69.2	65.7	63.4	63.4	62.4	56.8	47.2	37.0
28.5	42.5	52.2	59.5	62.4	62.3	63.0	65.6	67.8	66.8	63.8	61.7	61.5	60.4	55.0	46.1	36.5
26.5	43.1	53.9	62.1	64.5	63.4	63.6	67.0	69.8	68.5	64.5	62.2	62.9	62.5	57.0	46.8	36.8
24.5	43.3	55.8	64.5	68.5	64.1	64.0	68.0	71.2	69.8	64.8	62.2	63.6	64.3	58.1	47.0	35.7
22.5	42.7	54.2	62.9	65.0	63.1	63.0	66.6	69.7	68.1	63.4	60.9	62.1	62.3	56.5	45.5	34.5
20.5	41.4	51.4	58.8	61.2	60.5	60.6	63.2	65.4	64.2	60.9	59.3	60.3	59.9	54.2	44.1	33.5
18.5	40.6	50.1	57.1	59.5	59.0	59.2	61.4	63.2	62.3	60.1	59.5	60.4	59.3	53.8	44.2	33.7
16.5	41.1	51.6	59.4	61.3	59.7	59.3	62.2	64.8	64.1	61.6	60.9	62.6	62.4	56.2	45.4	34.4
14.5	41.3	52.7	61.3	62.7	59.6	58.6	61.8	65.1	65.4	61.4	61.1	64.5	65.6	59.7	46.4	34.4
12.5	40.2	51.1	59.0	60.1	57.0	55.4	57.7	60.2	59.6	57.4	57.7	61.4	62.6	56.2	44.3	32.5
10.5	37.9	47.5	54.0	55.0	52.1	49.6	49.7	50.3	49.8	49.3	50.5	53.3	53.9	48.8	39.2	28.8
8.5	36.6	45.3	51.0	51.3	47.6	43.4	40.9	39.6	38.9	39.3	41.7	44.7	45.1	41.1	33.4	24.0
6.5	36.3	45.7	51.8	51.2	45.3	38.5	33.9	31.5	30.6	31.3	34.0	37.5	38.6	35.0	28.2	21.5
4.5	35.3	45.4	52.1	50.6	42.8	34.6	28.9	25.8	25.0	26.1	29.1	32.7	35.0	34.0	25.2	19.5
2.5	32.5	41.4	47.1	45.6	38.4	30.7	25.2	22.3	21.4	22.6	25.5	29.0	30.4	27.8	22.9	17.9
0.5	27.6	33.8	37.5	36.5	31.7	26.1	22.0	19.5	18.5	19.4	21.6	24.1	25.0	23.3	19.8	16.1

X: 0.5 2.5 4.5 6.5 8.5 10.5 12.5 14.5 16.5 18.5 20.5 22.5 24.5 26.5 28.5 30.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:19 16-Mar-95
PROJECT: 34-910A   AREA: MILLWRT SHP1-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.3   MAX=46.3   AVE=34.0   AVE/MIN=   2.09 MAX/MIN=   2.84

L8 <14> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.81

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:50 28-Dec-94
PROJECT: 34-910-1 AREA: MILLWRIGHT SHP2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

- MIN=16.0   MAX=79.5   AVE=40.3   AVE/MIN=   2.52 MAX/MIN=   4.97

L <3> = 10368 COLUMBIA KL440-SOLID, (4) F40WW, LLF= 0.68
S <2> = GE6919 GE LIGHTING SAM15S, (1) LU-150, LLF= 0.82

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:28 16-Mar-95
PROJECT: 34-910-1   AREA: MILLWRT SHP2-N   GRID: Ceiling
Values are FC, SCALE: . IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

-- MIN=25.5   MAX=49.4   AVE=39.1   AVE/MIN= 1.53 MAX/MIN=   1.93

L8 <8> = 10331 COLUMBIA CSR240-PAF-EJCT, <2> F032/35K, L_F= 0.69

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 12:00 28-Dec-94
PROJECT: 34-910-1 AREA: TOOL & DIE LUNC GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.1   MAX=67.6   AVE=50.7   AVE/MIN= 1.81 MAX/MIN= 2.41

F <12> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

Y																		
28.5	28.1	39.7	49.1	49.9	42.1	34.4	34.5	42.0	49.7	49.7	42.0	34.5	34.4	42.1	49.9	49.1	39.7	28.1
26.5	31.3	46.8	60.8	50.2	40.1	40.1	42.1	52.5	61.7	61.7	52.5	42.1	40.1	40.1	50.2	60.8	46.8	31.3
24.5	32.3	48.1	61.2	62.3	52.1	42.1	42.1	52.1	63.1	63.1	52.1	42.1	42.1	52.1	62.3	61.2	48.1	32.3
22.5	32.2	47.2	59.3	60.5	51.5	42.3	42.4	52.0	61.6	61.6	52.0	42.3	42.3	51.5	60.5	59.3	47.2	32.2
20.5	32.8	48.2	60.9	62.1	52.7	43.1	43.3	53.3	63.3	63.3	53.3	43.1	43.3	52.7	62.1	60.9	48.2	32.8
18.5	33.8	50.4	64.7	65.8	54.8	44.3	44.5	55.5	67.7	67.7	55.5	44.5	44.3	54.8	65.8	64.7	50.4	33.8
16.5	33.5	49.8	63.2	64.4	54.3	44.2	44.4	54.3	65.8	65.8	54.3	44.4	44.2	54.3	64.4	63.2	49.8	33.6
14.5	32.9	48.1	60.3	61.6	52.7	43.4	43.6	53.3	62.9	62.9	53.3	43.6	43.4	52.7	61.6	60.3	48.1	32.9
12.5	33.3	48.9	61.6	62.8	53.4	43.8	44.0	54.0	64.1	64.1	54.0	44.0	43.8	53.4	62.8	61.6	48.9	33.3
10.5	34.3	51.0	65.7	66.2	55.3	44.8	45.0	55.9	67.6	67.6	55.9	45.0	44.8	55.3	66.2	65.7	51.0	34.3
8.5	34.2	50.3	63.6	64.8	54.6	44.5	44.7	55.1	65.9	65.9	55.1	44.7	44.5	54.6	64.8	63.6	50.3	34.2
6.5	33.5	48.6	60.7	61.8	52.8	43.4	43.5	53.1	62.6	62.6	53.1	43.5	43.4	52.8	61.8	60.7	48.6	33.5
4.5	33.7	49.2	61.7	62.7	53.1	43.3	43.3	53.1	63.0	63.0	53.1	43.3	43.3	53.1	62.7	61.7	49.2	33.7
2.5	34.2	50.5	64.7	65.8	53.8	43.0	42.9	53.4	64.7	64.7	53.4	42.9	43.0	53.8	65.8	64.7	50.5	34.2
0.5	35.3	47.1	56.9	55.7	45.1	39.3	39.3	45.1	58.0	58.0	45.1	39.3	39.3	45.1	55.7	56.9	47.1	35.3
	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:33 16-Mar-95
PROJECT: 34-910-1 AREA: TOOL DIE LUNC-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 10.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.3   MAX=43.5   AVE=33.6   AVE/MIN= 1.84 MAX/MIN= 2.38

G8 <.2> = 9868 COLUMBIA ~84PS2*-84-242-2=0CT, (2) F032/31K, LLF= 0.69

CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 23.0 E= 10.0
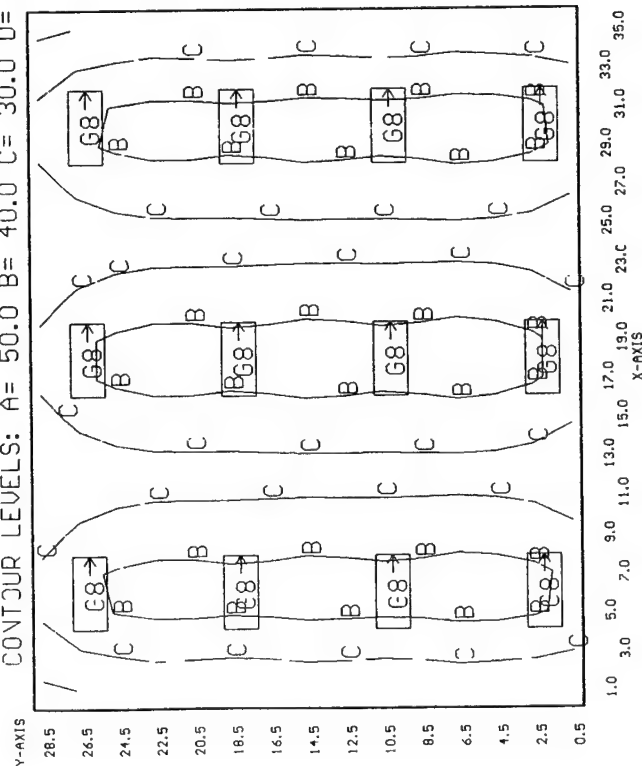
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   10:57 29-Dec-94
PROJECT: 34-910-1 AREA: TOOL & DIE 1 GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=62.6   MAX=215.   AVE=153.   AVE/MIN= 2.45 MAX/MIN=   3.44

C <47> = K7983M COLUMBIA KP496, <4> F96T12/CW, LLF= 0.67

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:41 16-Mar-95
PROJECT: 34-910-1 AREA: TOOL & DIE 1-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0-T, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=29.3   MAX=99.7   AVE=71.6   AVE/MIN=   2.44 MAX/MIN=   3.40

C8 <47> = K7993 COLUMBIA CSR296, <2> F096/735, LLF= 0.67

CONTOUR LEVELS: A= 80.0 B= 70.0 C= 60.0 D= 50.0 E= 40.0

LITEPRO V2.2/2 POINT BY POINT NUMERIC OUTPUT 11:31 25 DEC 91
PROJECT: 34-910-1 AREA: TOOL & DIE 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=29.9   MAX=229.   AVE=147.   AVE/MIN= 4.90 MAX/MIN= 7.65

C <67> = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.67

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:48 16-Mar-95
PROJECT: 34-910-1 AREA: TOOL & DIE 2-N GRID: Ceiling
Values are FC, SCALE: ` IN= 20.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

- MIN=13.4   MAX=106.   AVE=67.8   AVE/MIN= 5.05 MAX/MIN=   7.92

C8 <67> = K7993 COLUMBIA CSR296, (2) F096/735, LLF= 0.67

CONTOUR LEVELS: A= 80.0 B= 70.0 C= 60.0 D= 50.0 E= 40.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:47 29-Dec-94
PROJECT: 34-910-1 AREA: TOOL & DIE 3 GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=53.2   MAX=217.   AVE=131.   AVE/MIN= 2.47 MAX/MIN= 4.07

C <50> = K7983M COLUMBIA KP496, <4> F96T12/CW, LLF= 0.67

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:54 16-Mar-95
PROJECT: 34-910-1 AREA: TOOL & DIE 3-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.6   MAX=99.9   AVE=60.4   AVE/MIN=   2.46 MAX/MIN=   4.06

C8 <50> = K7993 COLUMBIA CSR296, (2) F096/735, LLF= 0.67

CONTOUR LEVELS: A= 80.0 B= 70.0 C= 60.0 D= 50.0 E= 40.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:34 13-Feb-95
PROJECT: 34-910-1 AREA: TOOL & DIE OFC GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=56.4   MAX=186.   AVE=124.   AVE/MIN= 2.20 MAX/MIN= 3.30

L <8> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

19.0	+ 56.4	+ 75.0	+ 90.6	+ 98.0	+ 98.2	+ 98.0	+ 90.6	+ 75.0	+ 56.4
17.0	+ 68.8	+ 99.4	+ 126.	+ 133.	+ 131.	+ 133.	+ 126.	+ 99.4	+ 68.8
15.0	+ 79.8	+ 120.	+ 154.	+ 163.	+ 159.	+ 163.	+ 154.	+ 120.	+ 79.8
13.0	+ 87.7	+ 131.	+ 169.	+ 179.	+ 176.	+ 179.	+ 169.	+ 131.	+ 87.7
11.0	+ 91.5	+ 137.	+ 175.	+ 186.	+ 183.	+ 186.	+ 175.	+ 137.	+ 91.5
9.0	+ 91.5	+ 137.	+ 175.	+ 186.	+ 183.	+ 186.	+ 175.	+ 137.	+ 91.5
7.0	+ 87.7	+ 131.	+ 169.	+ 179.	+ 176.	+ 179.	+ 169.	+ 131.	+ 87.7
5.0	+ 79.8	+ 120.	+ 154.	+ 163.	+ 159.	+ 163.	+ 154.	+ 120.	+ 79.8
3.0	+ 68.8	+ 99.4	+ 126.	+ 133.	+ 131.	+ 133.	+ 126.	+ 99.4	+ 68.8
1.0	+ 56.4	+ 75.0	+ 90.6	+ 98.0	+ 98.2	+ 98.0	+ 90.6	+ 75.0	+ 56.4

      1.0   5.0   9.0   13.0   17.0
           3.0   7.0   11.0   15.0
                     X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:01 16-Mar-95
PROJECT: 34-910-1   AREA: TOOL DIE OFC-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.8   MAX=68.2   AVE=51.1   AVE/MIN=   1.77 MAX/MIN=   2.37

L8 <6> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) F032/35K, LLF= 0.69

Y-AXIS

19.0	+28.8	+30.9	+32.9	+34.1	+34.2	+34.1	+32.9	+30.9 +28.8
17.0	38.7	43.7	46.7	48.1	48.7	48.1	46.7	43.7 38.7
15.0	+48.4	56.8 L8	60.1	62.0	63.3 L8	62.0	60.1	56.8 L8 48.4
13.0	+52.2	+61.0	+64.8	+66.8	+68.2	+66.8	+64.8	+61.0 +52.2
11.0	+50.5	+57.6	+62.0	+64.1	+64.6	+64.1	+62.0	+57.6 +50.5
9.0	+50.5	+57.6	+62.0	+64.1	+64.6	+64.1	+62.0	+57.6 +50.5
7.0	+52.2	61.0 L8	64.8	66.8	68.2 L8	66.8	64.8	61.0 L8 52.2
5.0	+48.4	56.8	60.1	62.0	63.3	62.0	60.1	56.8 48.4
3.0	+38.7	+43.7	+46.7	+48.1	+48.7	+48.1	+46.7	+43.7 +38.7
1.0	+28.8	+30.9	+32.9	+34.1	+34.2	+34.1	+32.9	+30.9 +28.8

1.0   5.0   9.0   13.0   17.0
   3.0   7.0   11.0   15.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:47 13-Feb-95
PROJECT: 34-910-1   AREA: TOOL & DIE STO   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.3   MAX=139.   AVE=61.3   AVE/MIN=   5.95 MAX/MIN=   13.54

C <2> = K7983M COLUMBIA KP496, (4) F96T12/CW, LLF= 0.67
C1 <1> = 10242 COLUMBIA KP296, (2) F96T12/CW, LLF= 0.67
K <1> = 7991 COLUMBIA CSR240-A, (2) F40CW, LLF= 0.68
L <2> = 10368 COLUMBIA KL440-SOLID, (4) F40CW, LLF= 0.68

Y-AXIS

37.0	14.8	17.8	20.2	21.8	22.4	21.8	20.2	17.8 14.8
35.0	20.0	26.9	32.4	35.1	35.6	35.1	32.4	26.9 20.0
33.0	26.9	40.9	52.7	56.0	55.1	56.0	52.7	40.9 26.9
31.0	32.3	53.4	72.2	75.1	71.6	75.1	72.2	53.4 32.3
29.0	31.9	53.0	71.9	74.9	71.4	74.9	71.9	53.0 31.9
27.0	25.5	39.9	51.9	55.3	54.4	55.3	51.9	39.9 25.5
25.0	18.3	25.5	31.2	33.9	34.5	33.9	31.2	25.5 18.3
23.0	13.0	16.2	18.7	20.4	20.9	20.4	18.7	16.2 13.0
21.0	10.3	11.7	12.7	13.6	14.0	13.6	12.7	11.7 10.3
19.0	29.6	40.1	51.7	61.1	64.5	60.7	51.5	41.4 32.4
17.0	36.4	52.4	74.2	92.3	98.6	91.2	73.8	55.8 42.8
15.0	42.1	63.8	94.8	121.	130.	121.	97.5	73.8 54.6
13.0	46.4	68.4	98.2	123.	133.	127.	109.	90.0 67.3
11.0	51.6	70.7	93.1	112.	121.	119.	111.	99.1 76.0
9.0	62.6	79.9	99.3	115.	123.	120.	113.	101 77.6
7.0	74.0	93.9	115.	133.	139.	132.	115.	96.1 71.7
5.0	75.9	96.3	117.	135.	139.	128.	106.	81.5 59.9
3.0	65.3	80.1	94.9	106.	109.	99.5	81.3	62.4 47.6
1.0	50.1	58.0	66.1	72.1	72.4	66.7	56.6	46.0 37.7

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        1.0      5.0      9.0      13.0     17.0
           3.0      7.0     11.0     15.0
                      X-AXIS
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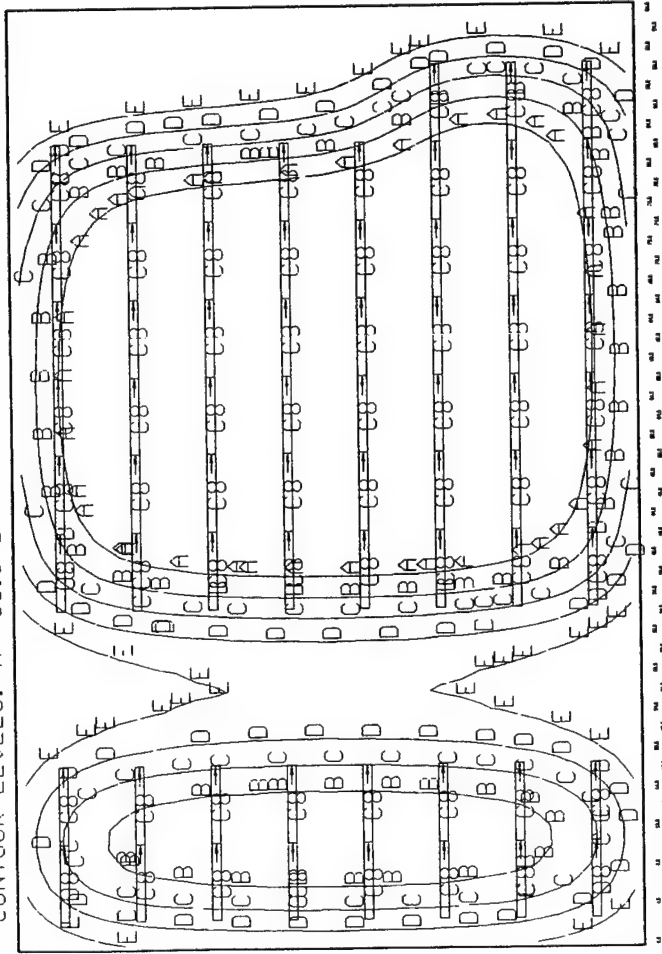
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:06 16-Mar-95
PROJECT: 34-910-1   AREA: TOOL DIE STO-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.74   MAX=82.0   AVE=38.2   AVE/MIN=   5.67 MAX/MIN=   12.18

C8 <3> = K7993 COLUMBIA CSR296, (2) FO96/735, LLF= 0.67
L8 <3> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.69

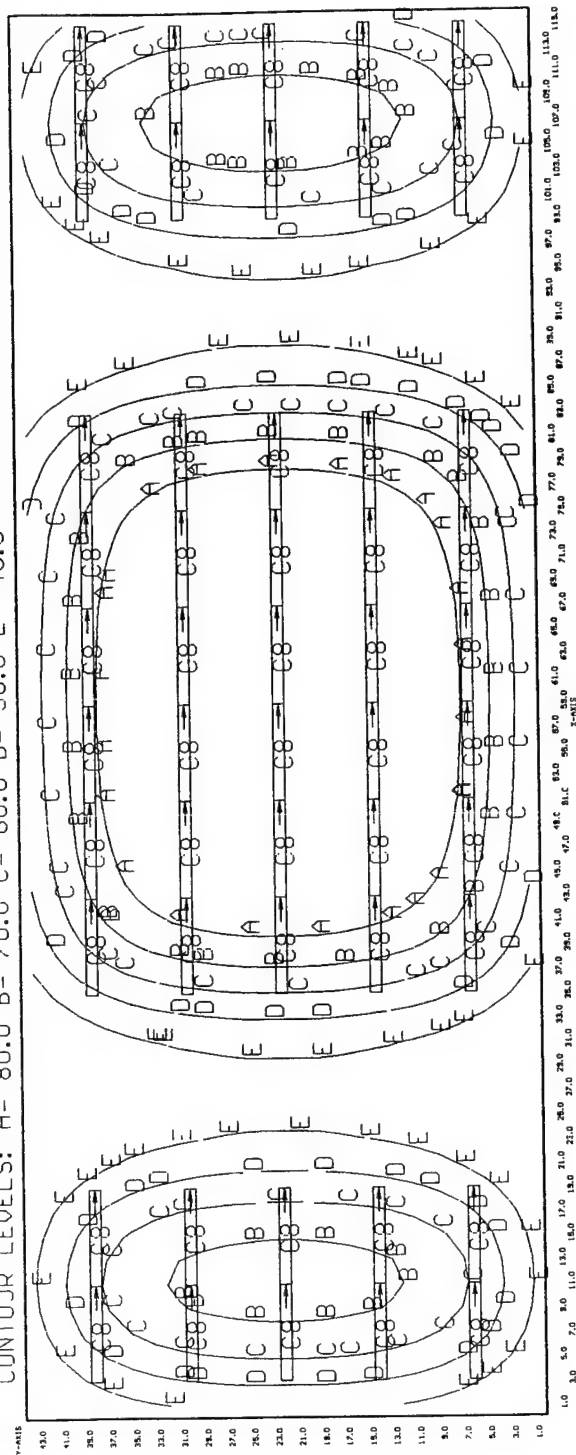
Y-AXIS   CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:28 13-Feb-95
PROJECT: 34-910-1   AREA: TOOL ROOM   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=7.20   MAX=48.9   AVE=26.9   AVE/MIN=   3.73 MAX/MIN=   6.80

B1 <3> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68
C3 <14> = 10242 COLUMBIA KP296, (2) F96T12/CW/WM, LLF= 0.69

Y-AXIS

```
        +    +    +    +    +    +    +    +    +    +    +    +
58.0   19.7 26.0 27.2 24.4 24.7 28.1 27.7 23.8 22.9 25.3 23.9 17.7
              C3            C3              C3
        +    +    +    +    +    +    +    +    +    +    +    +
54.0   21.2 28.2 29.7 26.7 27.0 30.5 30.0 25.4 24.0 26.0 24.3 18.0
        +    +    +    +    +    +    +    +    +    +    +    +
50.0   20.9 26.8 28.4 26.5 26.7 29.2 28.6 24.5 21.9 21.7 20.3 16.2
        +    +    +    +    +    +    +    +    +    +    +    +
46.0   22.2 29.5 31.2 28.2 28.5 32.0 31.3 25.7 21.7 21.2 20.5 16.7
              C3            C3
        +    +    +    +    +    +    +    +    +    +    +    +
42.0   22.5 29.7 31.5 28.6 28.9 32.6 31.9 26.4 23.0 24.3 25.0 19.3
                                                        C3
        +    +    +    +    +    +    +    +    +    +    +    +
38.0   21.6 27.7 29.4 27.6 28.0 30.9 30.7 27.0 24.6 26.5 27.3 20.4
        +    +    +    +    +    +    +    +    +    +    +    +
34.0   22.7 30.0 31.8 29.1 29.8 34.3 35.0 31.1 27.4 25.5 23.2 17.6
              C3            C3
        +    +    +    +    +    +    +    +    +    +    +    +
30.0   22.6 30.0 31.9 29.3 30.3 35.5 37.6 35.9 31.8 24.0 17.8 12.6
        +    +    +    +    +    +    +    +    +    +    +    +
26.0   21.4 27.6 29.5 27.9 29.1 33.9 37.1 38.1 34.3 22.0 14.2 8.89
                                              C3
        +    +    +    +    +    +    +    +    +    +    +    +
22.0   22.3 29.6 31.6 29.1 30.4 36.3 39.5 38.8 33.  18.2 11.7 7.20
              C3            C3
        +    +    +    +    +    +    +    +    +    +    +    +
18.0   21.9 29.2 31.1 28.6 29.9 35.9 39.3 38.9 34.1 37.8 41.7 30.8
                                                        B1
        +    +    +    +    +    +    +    +    +    +    +    +
14.0   20.1 26.2 28.0 26.4 27.7 32.5 35.9 37.3 33.6 41.1 48.9 34.1
                                              C3          B1
        +    +    +    +    +    +    +    +    +    +    +    +
10.0   20.0 27.1 28.8 26.1 27.1 32.3 34.4 32.4 27.2 33.2 39.2 28.5
              C3            C3
        +    +    +    +    +    +    +    +    +    +    +    +
6.0    18.0 24.2 25.6 23.0 23.7 27.9 28.4 23.9 18.5 24.5 28.2 20.1
                                                        B1
        +    +    +    +    +    +    +    +    +    +    +    +
2.0    13.9 17.0 18.0 17.2 17.7 19.4 19.1 16.1 12.0 23.4 27.2 19.4
```

```
   2.0      10.0      18.0      26.0      34.0      42.0
       6.0       14.0      22.0      30.0      38.0      46.0
                        X-AXIS
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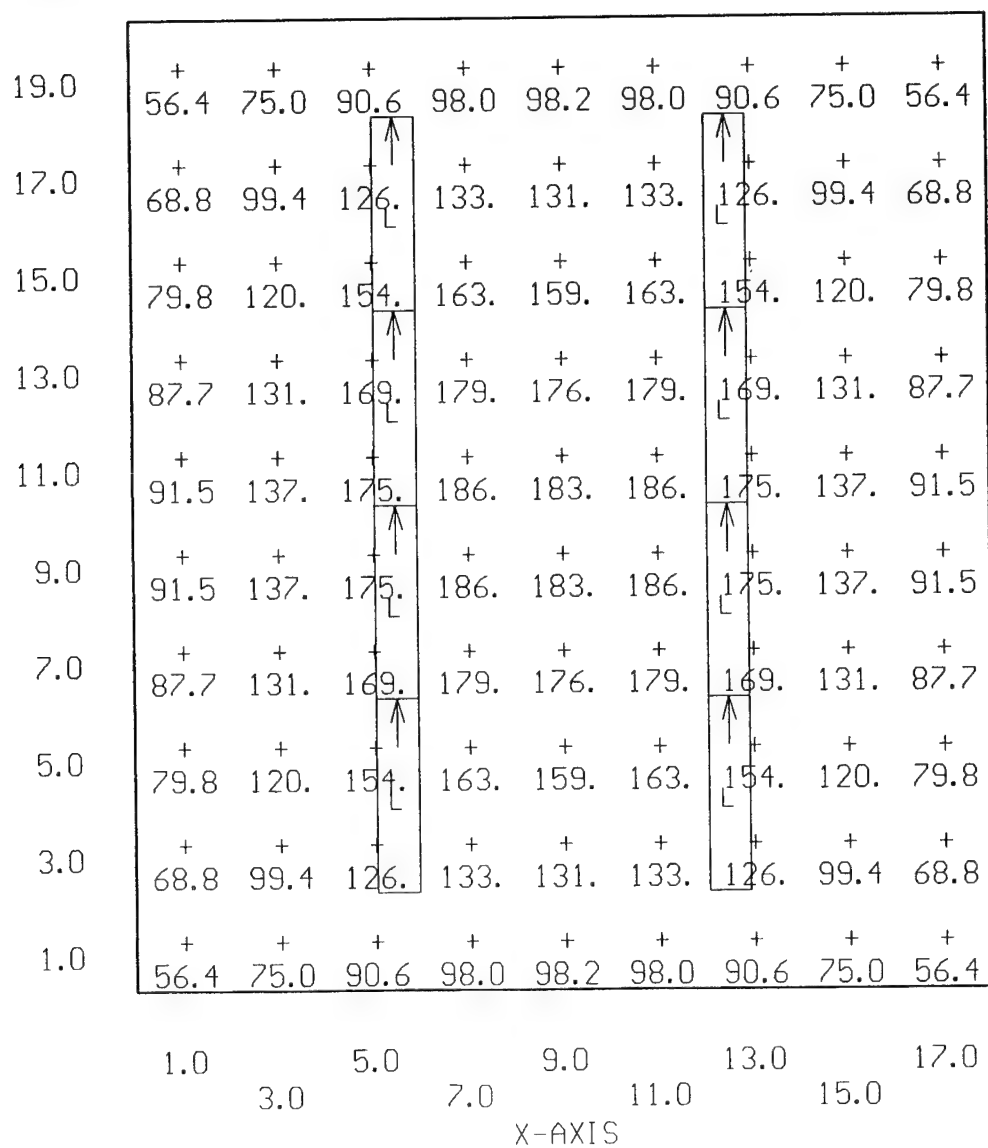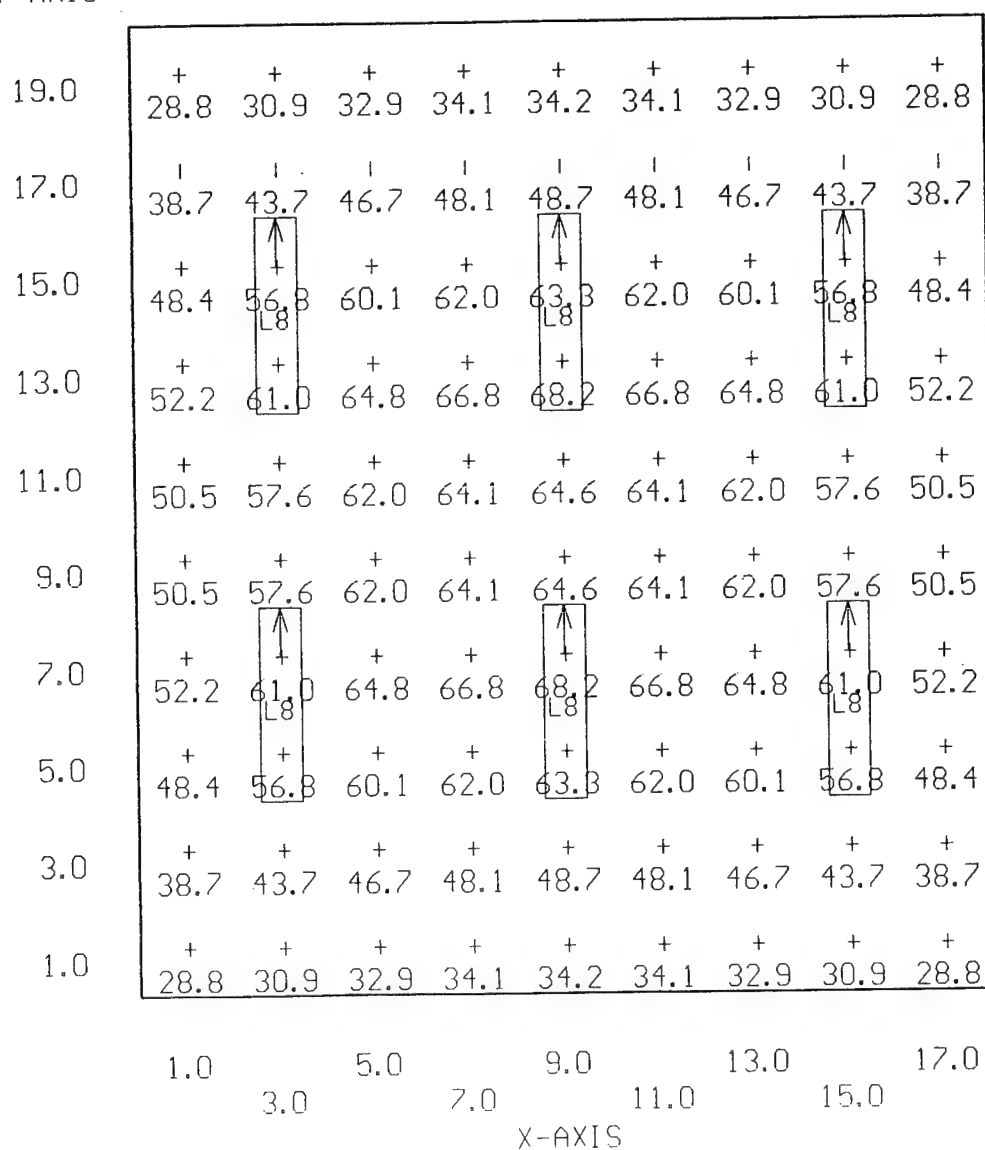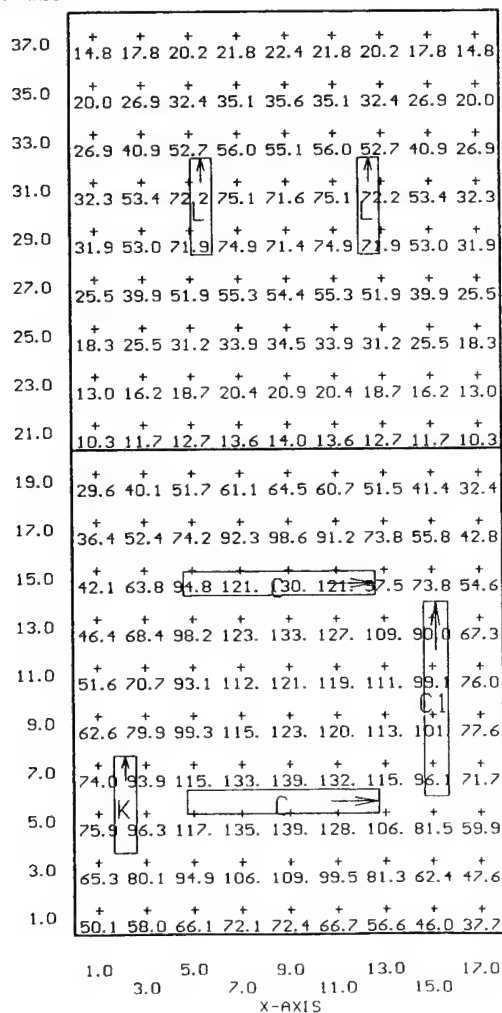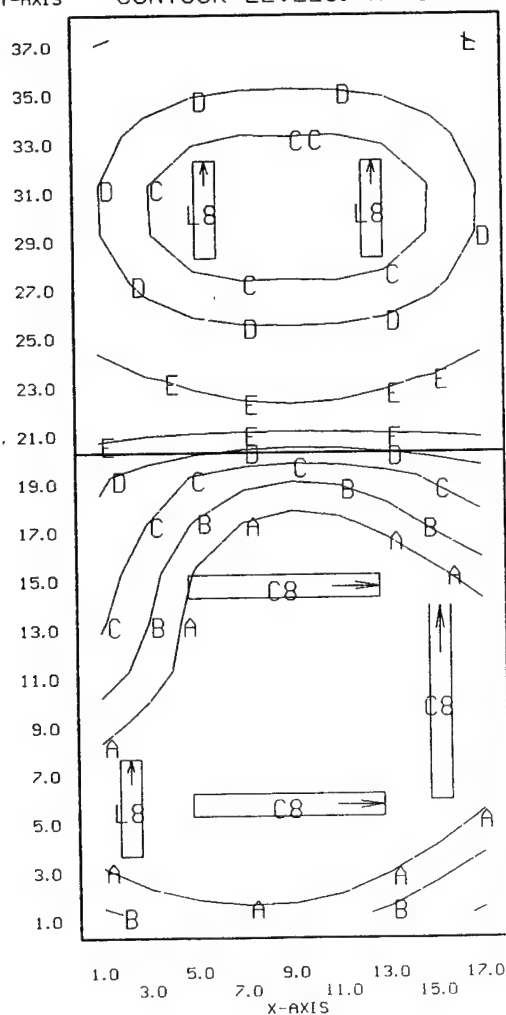
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:20 16-Mar-95
PROJECT: 34-910-1   AREA: TOOL ROOM-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=9.22   MAX=48.5   AVE=32.2   AVE/MIN=   3.49 MAX/MIN=   5.27

B8 <3> = K9708 COLUMBIA WCW440-A, (4) FO32/35K, LLF= 0.67
C8 <14> = K7993 COLUMBIA CSR296, (2) FO96/735, LLF= 0.67

Y-AXIS

58.0	24.4	31.8	33.3	30.0	30.4	34.3	33.8	29.1	27.7	30.3	28.5	21.4
54.0	26.0	34.3	36.1	32.5	32.9	37.1	36.3	30.8	28.8	30.9	28.8	21.6
50.0	26.4	33.9	35.9	33.3	33.7	37.0	36.1	30.7	27.3	26.9	24.9	20.1
46.0	27.3	36.0	38.0	34.6	34.9	39.2	38.3	31.6	26.9	26.1	24.8	20.7
42.0	27.7	36.3	38.5	35.1	35.6	40.0	39.2	32.7	28.6	29.8	29.5	24.2
38.0	27.4	35.2	37.3	35.0	35.7	39.5	39.2	34.0	30.7	32.4	32.0	25.5
34.0	28.0	36.7	38.9	35.9	36.8	42.2	43.0	37.8	33.1	31.0	27.4	22.0
30.0	27.9	36.7	39.0	36.1	37.4	43.7	46.2	43.3	37.6	29.2	21.5	15.8
26.0	27.3	35.1	37.5	35.6	37.2	43.1	46.9	46.5	40.4	27.1	17.5	11.3
22.0	27.5	36.3	38.7	35.9	37.7	44.7	48.5	46.5	39.8	22.2	14.6	9.22
18.0	27.0	35.6	38.0	35.3	37.0	44.2	48.2	46.6	39.9	34.5	38.3	28.1
14.0	25.4	33.1	35.4	33.5	35.1	41.2	45.3	45.4	39.6	37.5	44.7	31.1
10.0	24.5	32.8	34.9	31.9	33.2	39.4	41.9	38.8	31.8	30.3	35.8	26.0
6.0	22.1	29.3	31.1	28.2	29.0	33.9	34.4	28.7	21.9	22.5	26.3	18.5
2.0	17.9	22.0	23.2	22.2	22.9	24.9	24.4	20.2	14.7	21.5	25.0	17.8

2.0   10.0   18.0   26.0   34.0   42.0
   6.0   14.0   22.0   30.0   38.0   46.0
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:33 13-Feb-95
PROJECT: 34-910-1   AREA: TOOL HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.66   MAX=51.6   AVE=28.3   AVE/MIN=   3.27 MAX/MIN=   5.96

C <2> = K7983M COLUMBIA KP496, <4> F96T12/CW, LLF= 0.67

Y-AXIS

```
5.0   +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
    14.5 19.5 28.9 42.5 48.1 38.8 25.9 18.8 17.0 20.1 25.7 37.0 48.7 45.7 30.2 17.8 11.6 8.66

1.0   +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +    +
    15.0 20.2 30.3 45.3 51.6 41.1 26.9 19.2 17.3 20.5 26.3 38.3 51.2 47.9 31.2 18.1 11.7 8.70

     2.0  6.0  10.0 14.0 18.0 22.0 26.0 30.0 34.0 38.0 42.0 46.0 50.0 54.0 58.0 62.0 66.0 70.0
                                          X-AXIS
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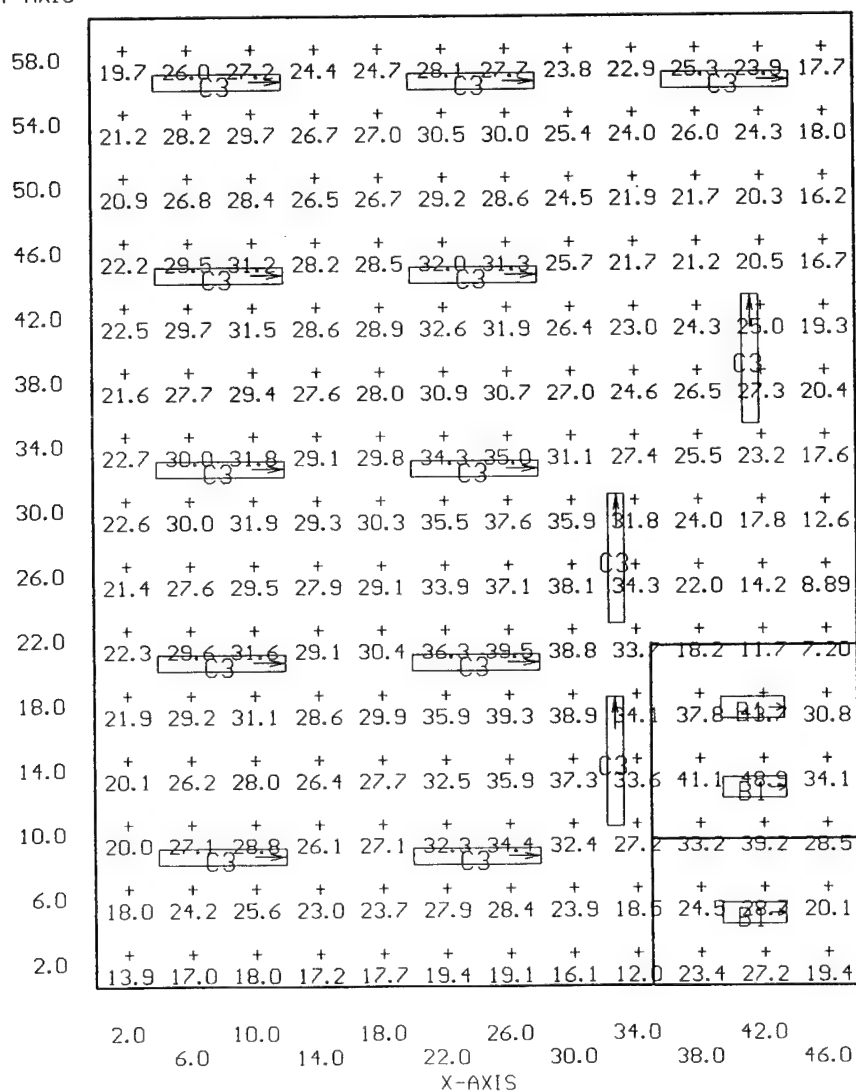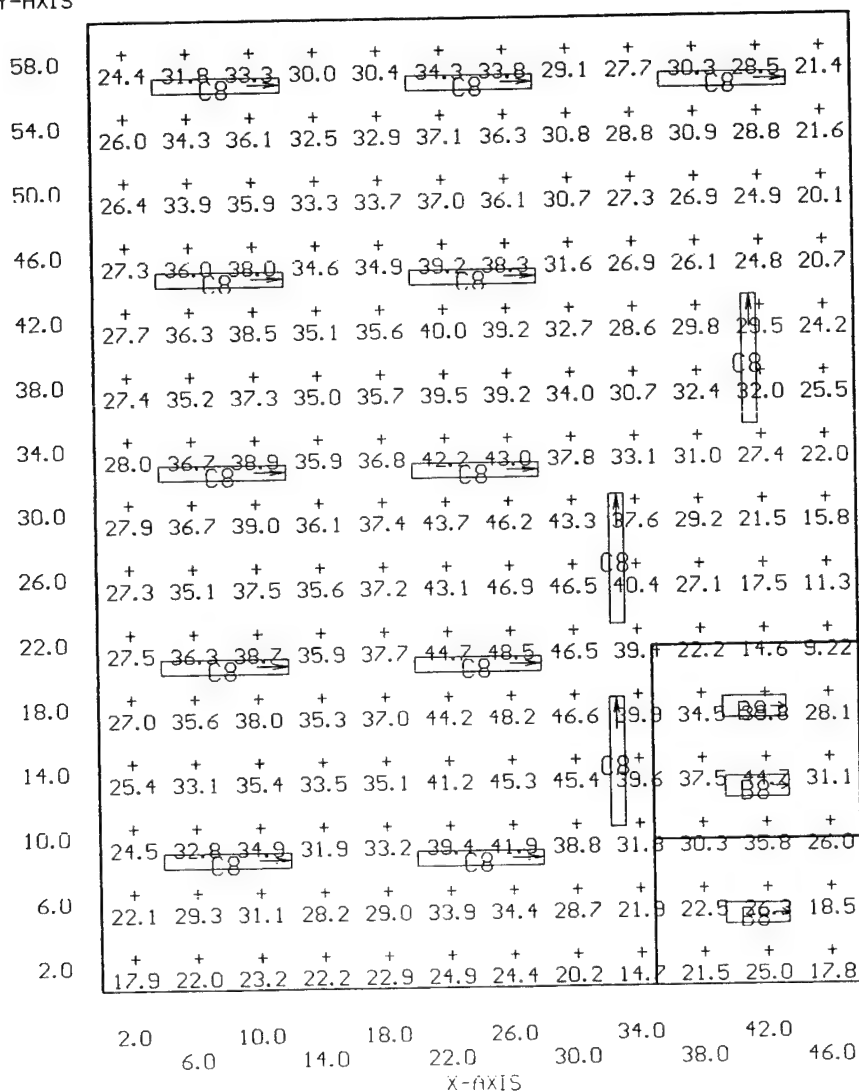
JSI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:22 16-Mar-95
PROJECT: 34-910-1   AREA: TOOL HALLWAY-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 12.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=4.43   MAX=24.5   AVE=13.8   AVE/MIN=   3.13 MAX/MIN=   5.54

C8 <2> = K7993 COLUMBIA CSR296, <2> F096/735, LLF= 0.67

Y-AXIS

5.0   7.50 9.85 14.2 20.5 23.1 18.7 12.7 9.47 8.71 10.3 12.9 18.1 23.5 21.9 14.5 8.72 5.85 4.44

1.0   7.66 10.1 14.7 21.7 22.5 19.7 13.1 9.61 8.78 13.4 13.1 18.6 24.5 22.9 14.9 8.83 5.87 4.43

      2.0 6.0 10.0 14.0 18.0 22.0 26.0 30.0 34.0 38.0 42.0 45.0 50.0 54.0 58.0 62.0 66.0 70.0
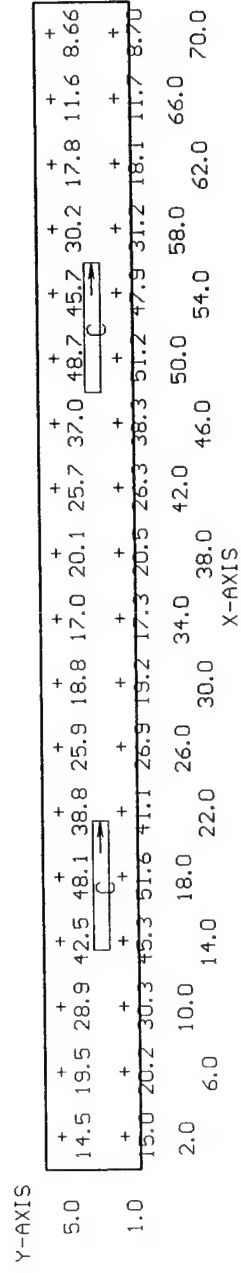
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:30 29-Dec-94
PROJECT: 34-910-1   AREA: BGU WORK AREA   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=22.3   MAX=53.9   AVE=41.8   AVE/MIN=   1.87 MAX/MIN=   2.42

M3 <4> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.65

```
Y-AXIS
        +    +    +    +    +    +    +    +    +
 25.0  23.8 26.0 27.0 27.0 26.8 26.9 26.5 24.9 22.3
        +    +    +    +    +    +    +    +    +
 23.0  29.4 33.1 34.2 33.4 32.9 33.7 33.9 31.4 26.9
        +    +    +    +    +    +    +    +    +
 21.0  36.4 42.5 43.1 40.3 39.3 41.6 43.3 39.9 32.2
        +    +    +    +    +    +    +    +    +
 19.0  42.8 49.9 49.7 45.2 43.6 47.8 50.1 46.2 36.7
        +  M3 =>         +    +    +    M3 =>    +
 17.0  44.3 51.5 51.3 46.6 45.2 48.7 51.8 47.7 37.9
        +    +    +    +    +    +    +    +    +
 15.0  41.8 47.3 47.8 45.1 44.1 46.4 47.8 44.1 36.5
        +    +    +    +    +    +    +    +    +
 13.0  37.2 41.7 43.0 42.3 42.0 42.6 42.4 39.4 33.3
        +    +    +    +    +    +    +    +    +
 11.0  35.1 39.5 41.3 41.3 41.0 41.3 40.5 37.5 32.5
        +    +    +    +    +    +    +    +    +
  9.0  36.9 42.1 43.6 42.9 42.6 43.2 43.1 40.0 33.9
        +    +    +    +    +    +    +    +    +
  7.0  41.4 48.2 49.1 46.4 45.3 47.6 49.1 45.2 36.9
        +    +    +    +    +    +    +    +    +
  5.0  46.6 53.6 53.4 48.9 47.4 50.8 53.9 49.6 39.8
        +  M3 =>         +    +    +    M3 =>    +
  3.0  46.0 53.1 52.9 48.2 46.6 50.2 53.3 49.0 39.4
        +    +    +    +    +    +    +    +    +
  1.0  41.7 47.0 47.1 44.2 43.1 45.4 47.0 43.8 36.3

      0.5     4.5     8.5    12.5    16.5
         2.5     6.5    10.5    14.5
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:30 16-Mar-95
PROJECT: 34-910-1   AREA: BGU WORK AREA-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

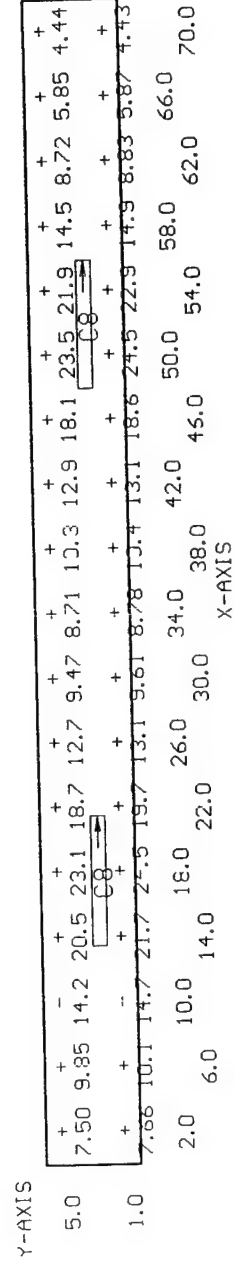+ MIN=21.6   MAX=48.9   AVE=37.5   AVE/MIN=   1.73 MAX/MIN=   2.26

AR (5) = T9939 METALOPTICS WRSN4STACLO42EP11, (2) F032/35K, LLF= 0.83

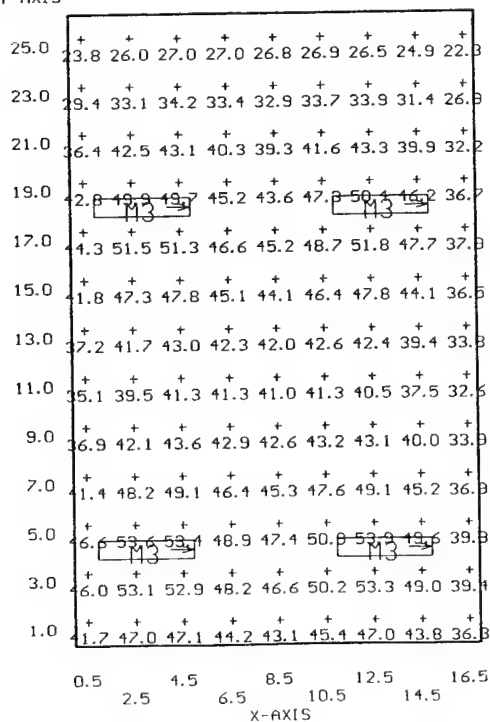CONTOUR LEVELS: A= 50.0 B= 40.0 C= 30.0 D= 20.0 E= 10.0

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:16 29-Dec-94
PROJECT: 34-910-1 AREA: BGU BREAK ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.0   MAX=157.   AVE=86.7   AVE/MIN= 2.71 MAX/MIN=   4.92

B1 <3> = K9708 COLUMBIA WCW440-A, (4) F40CW, LLF= 0.68

Y-AXIS

```
         +      +      +      +      +      +      +
11.0    33.3   51.7   73.2   82.7   72.0   50.2   32.0

         +      +      +      +      +      +      +
 9.0    45.6   74.8   107.   123.   105.   71.8   42.8

         +      +      +      +      +      +      +
 7.0    60.7   96.6   136.   152.   132.   91.7   56.3

         +      +      +      +      +      +      +
 5.0    67.1   106.  B1146.  157.   143.B1 101.   62.2

         +      +      +      +      +      +      +
 3.0    61.0   93.4   125.   134.   123.   88.8   56.8

         +      +      +      +      +      +      +
 1.0    47.1   66.8   86.1   92.5   84.7   64.2   44.3


        0.5          4.5          8.5         12.5
            2.5          6.5         10.5
                   X-AXIS
```

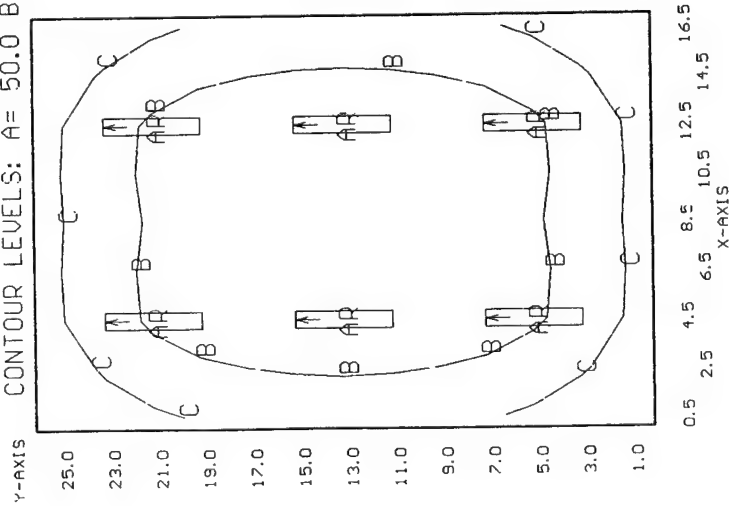USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:32 16-Mar-95
PROJECT: 34-910-1 AREA: BGU BRK ROOM-N GRID: Ceiling
Values are =C, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=11.7   MAX=42.3   AVE=25.7   AVE/MIN= 2.20   MAX/MIN=   3.62

A8 <2> = K9504 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

11.0	+ 1.7	+ 19.7	+ 29.3	+ 34.8	29.3	+ 19.7	+ 11.7
9.0	+ 3.9	+ 23.8	+ 35.6	A B 40.7	35.6	+ 23.8	+ 13.9
7.0	+ 4.7	+ 25.7	+ 37.6	42.3	37.6	+ 25.7	+ 14.7
5.0	+ 4.7	+ 25.7	+ 37.6	42.3	37.6	+ 25.7	+ 14.7
3.0	+ 3.9	+ 23.8	+ 35.6	A B 40.7	35.6	+ 23.8	+ 13.9
1.0	+ 1.7	+ 19.7	+ 29.3	32.8	29.3	+ 19.7	+ 11.7

```
     0.5   2.5   4.5   6.5   8.5   10.5   12.5
```
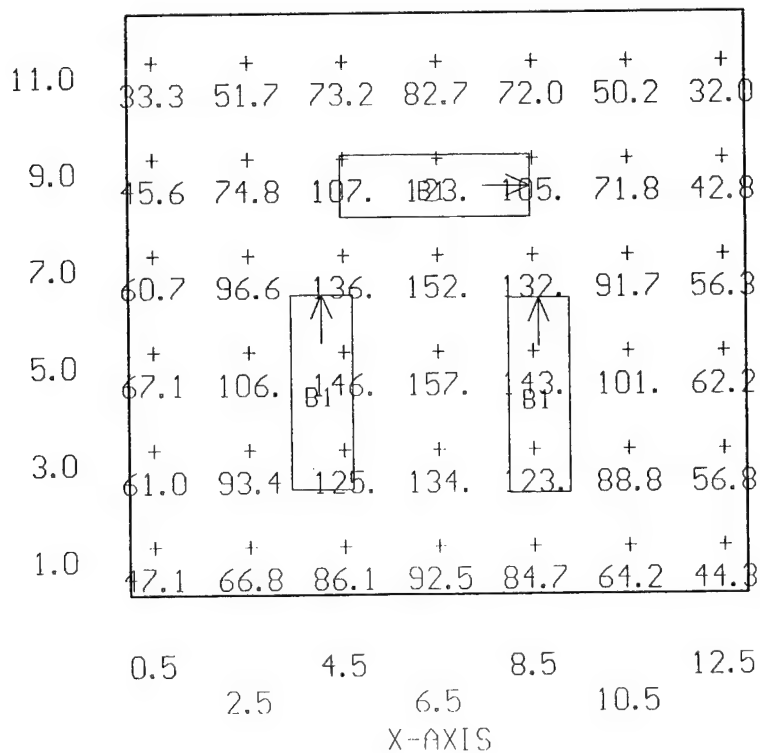
X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:26 29-Dec-94
PROJECT: 34-910-1   AREA: BGU OFFICE 1   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=29.3   MAX=61.8   AVE=48.9   AVE/MIN=   1.67 MAX/MIN=   2.11

M3 <2> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.65

Y-AXIS

```
       ┌─────────────────────────────────────┐
       │  +     +     +     +     +     +      │
  11.0 │ 47.6  54.2  53.2  46.1  36.4  29.4   │
       │  ┌──────────────┐                    │
       │  + │   M3    →  │ +     +     +      │
   9.0 │ 50.6  59.6  59.8  52.8  43.7  34.9   │
       │  +     +     +     +     +     +      │
   7.0 │ 48.5  58.2  61.8  58.9  51.6  42.4   │
       │  +     +     +     +     +     +      │
   5.0 │ 42.6  51.4  58.5  61.5  57.4  47.1   │
       │           ┌──────────────┐           │
       │  +     +  │ +   M3   →  │ +         │
   3.0 │ 34.8  43.4  52.4  58.8  57.3  47.7   │
       │  +     +     +     +     +     +      │
   1.0 │ 29.3  36.1  45.3  51.3  50.8  44.0   │
       └─────────────────────────────────────┘

      1.0         5.0         9.0
            3.0         7.0         11.0
                    X-AXIS
```

US⁻'s LITE*PRO V2.27E Point-By-Point Numeric Output   16:35 16-Mar-95
PROJECT: 34-910-1   AREA: BGU OFFICE 1-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=42.5   MAX=63.9   AVE=54.2   AVE/MIN=   1.27 MAX/MIN=   1.5C

AR <4> = T9939 METALOPTICS WRSV4STACLO42EP11, <2> FO32/35K, LLF= 0.83

Y-AXIS

11.0	+ 42.5	+ 51.4	+ 51.4	+ 42.5	
9.0	+ 48.8	+ 59.6	+ 59.6	+ 48.8	
7.0	+ 52.4	+ 63.9	+ 63.9	+ 52.4	
5.0	+ 52.4	+ 63.9	+ 63.9	+ 52.4	
3.0	+ 48.8	+ 59.6	+ 59.6	+ 48.8	
1.0	+ 42.5	+ 51.4	+ 51.4	+ 42.5	

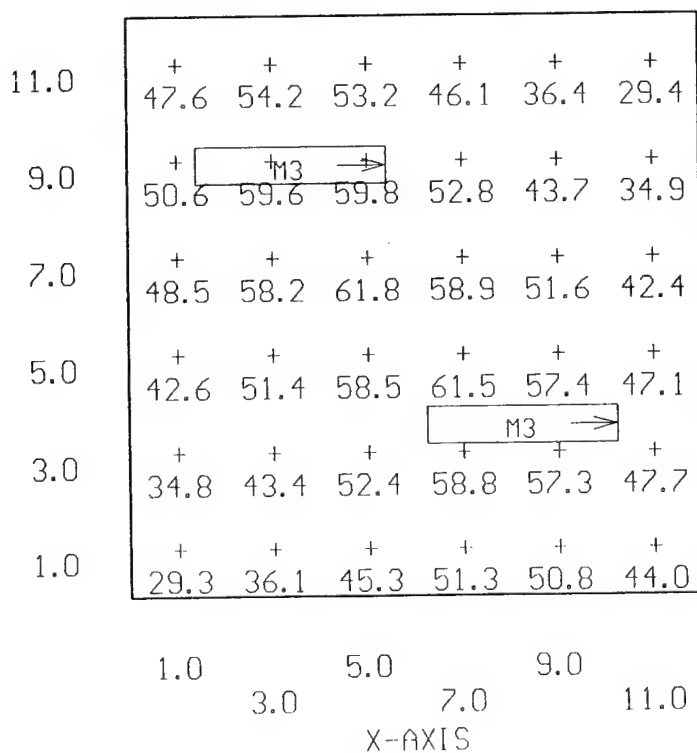1.0   3.3   5.0   7.0   9.0   11.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:43 29-Dec-94
PROJECT: 34-910-1 AREA: BGU OFFICE 2 GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=59.7   MAX=91.6   AVE=78.1   AVE/MIN=   1.31 MAX/MIN=   1.53

M3 <4> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.65

Y-AXIS

```
           +      +      +      +      +      +
15.0      65.8   73.1   77.6   75.7   68.5   59.7

           +      +      +      +      +      +
13.0      75.2   85.0   89.8   87.5 M3 79.5   67.6

           +      +      +      +      +      +
11.0      76.9   86.4   91.6   89.2   81.1   69.7

           +      +      +      +      +      +
 9.0      73.8   82.4   86.9   85.0   78.0   67.8

           +      +      +      +      +      +
 7.0      73.8   82.4   86.9   85.0   78.0   67.8

           +      +      +      +      +      +
 5.0      76.9   86.4   91.6   89.2   81.1   69.7

                  M3                   M3
           +      +      +      +      +      +
 3.0      75.2   85.0   89.8   87.5   79.5   67.6

           +      +      +      +      +      +
 1.0      65.8   73.1   77.6   75.7   68.5   59.7
```

```
      1.0        5.0        9.0
           3.0        7.0        11.0
              X-AXIS
```
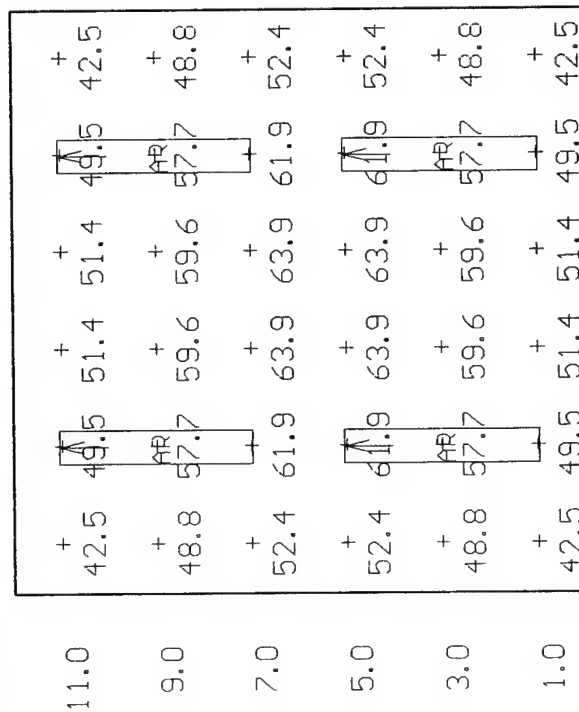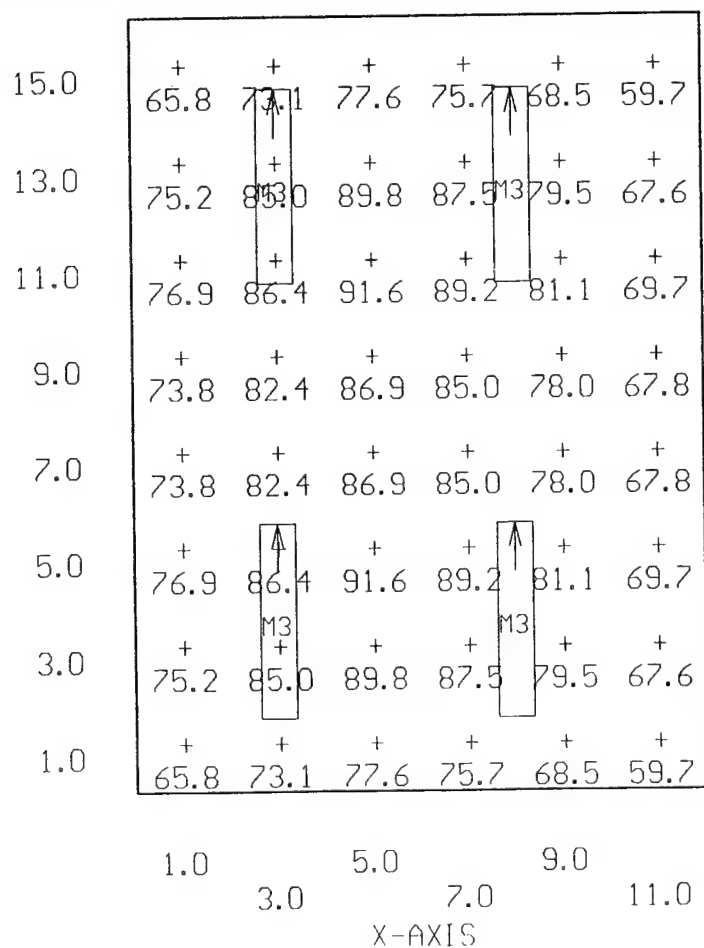
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:37 16-Mar-95
PROJECT: 34-910-1   AREA: BGU OFFICE 2-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.9   MAX=68.0   AVE=55.5   AVE/MIN=   1.55 MAX/MIN=   1.90

AR <4> = T9939 METALOPTICS WRSN4STACLO42EP11, (2) FO32/35K, LLF= 0.83

Y-AXIS

```
       +      +      +      +      +      +
15.0  44.2   55.7   56.5   56.6   49.1   35.9

       |      |      |      |      |      |
13.0  51.6   67.3   67.5   68.0   59.2   41.5

       +      +      +      +      +      +
11.0  51.3   66.3   67.2   67.6   58.9   41.8

       +      +      +      +      +      +
9.0   47.6   60.4   61.8   61.7   54.0   39.6

       +      +      +      +      +      +
7.0   47.6   60.4   61.8   61.7   54.0   39.6

       +      +      +      +      +      +
5.0   51.3   66.3   67.2   67.6   58.9   41.8

              AR            AR
       +      +      +      +      +      +
3.0   51.6   67.3   67.5   68.0   59.2   41.5

       +      +      +      +      +      +
1.0   44.2   55.7   56.5   56.6   49.1   35.9
```

```
      1.0        5.0        9.0
           3.0        7.0        11.0
              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:51 29-Dec-94
PROJECT: 34-910-1 AREA: BGU ENTRANCE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.4   MAX=42.2   AVE=32.8   AVE/MIN= 1.35 MAX/MIN= 1.73

L <1> = 10368 COLUMBIA KL440-SOLID, <4> F40CW, LLF= 0.68

Y-AXIS

```
        +      +      +      +      +      +
7.0    24.4   30.9   36.7   36.7   30.9   24.4

        +      +      +      +      +      +
5.0    26.7   35.2   42.0   42.0   35.2   26.7
                          L    ─>
        +      +      +      +      +      +
3.0    26.8   35.3   42.2   42.2   35.3   26.8

        +      +      +      +      +      +
1.0    24.6   31.2   37.1   37.1   31.2   24.6
```

```
    1.0          5.0          9.0
          3.0          7.0          11.0
               X-AXIS
```
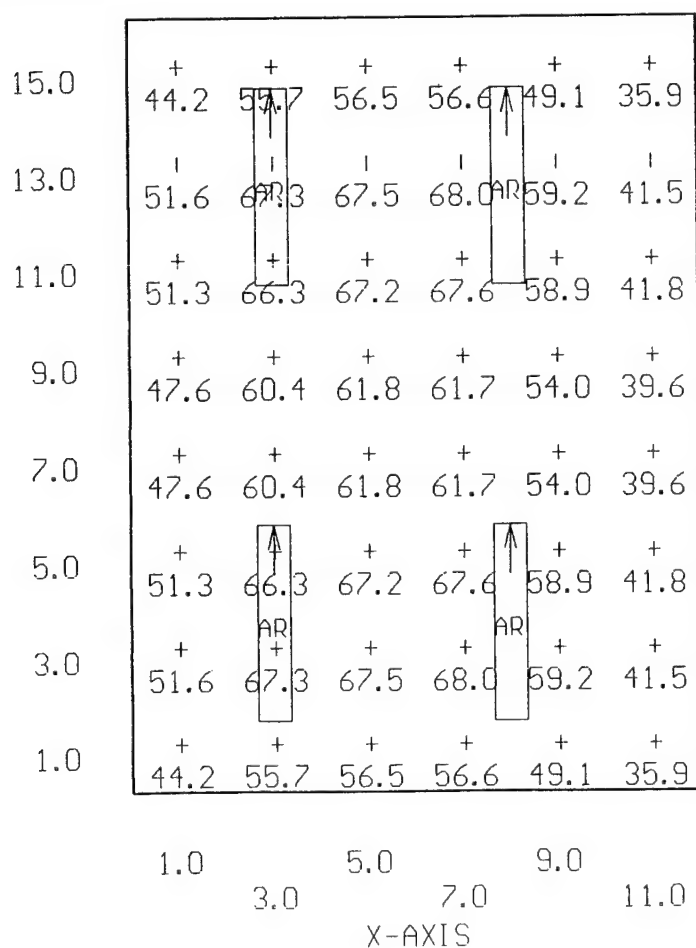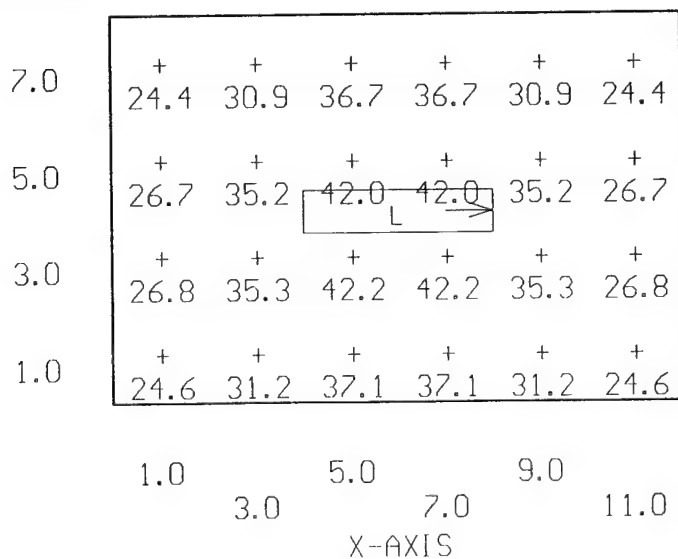
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:39 16-Mar-95
PROJECT: 34-910-1 AREA: BGU ENTRANCE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=13.3   MAX=22.3   AVE=17.6   AVE/MIN= 1.32 MAX/MIN= 1.68

L8 <1> = 10331 COLUMBIA CSR240-PAF-EOCT, <2> FO32/35K, L_F= 0.69

Y-AXIS

```
7.0    +      +      +      +      +
      13.3   16.8   19.8   19.8   6.8   13.3

5.0    +      +      +      +      +
      14.3   18.7   22.2   22.2   8.7   14.3
                         L8

3.0    +      +      +      +      +
      14.4   18.8   22.3   22.3   8.8   14.4

1.0    +      +      +      +      +
      13.4   16.9   20.0   20.0   6.9   13.4

      1.0    3.0    5.0    7.0    9.0   11.0
                         X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:03 29-Dec-94
PROJECT: 34-910-1 AREA: BGU KITCHEN GRID: Ceiling
Values are FC, SCALE: 1 IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.14   MAX=49.7   AVE=29.9   AVE/MIN=   3.68 MAX/MIN=   6.11

J1 <2> = K7997A COLUMBIA LU240-8-DMR, <4> F40CW, LLF= 0.68

Y-AXIS

5.0   15.4 21.3 29.8 37.1 39.7 37.2 30.5 24.3 22.8 27.0 34.1 39.6 40.1 34.1 24.1 15.8 10.9 8.21

3.0   15.7 23.5 35.4 45.8 49.3 45.5 35.5 26.3 24.2 29.6 40.3 48.8 49.7 49.2 29.2 17.6 11.2 8.14

1.0   16.1 22.9 33.0 41.7 44.8 41.6 33.3 25.6 23.9 29.3 38.5 45.7 46.5 39.3 26.8 16.9 11.2 8.31

      1.0   5.0   9.0   13.0   17.0   21.0   25.0   29.0   33.0
         3.0   7.0   11.0   15.0   19.0   23.0   27.0   31.0   35.0
                              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:42 16-Mar-95
PROJECT: 34-910-1 AREA: BGU KITCHEN-N GRID: Ceiling
Values are FC, SCALE: ' IN= 8.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=2.88   MAX=32.8   AVE=16.5   AVE/MIN=   5.72   MAX/MIN=   11.40

A8 <2> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS
```
5.0    6.32 9.97 16.2 23.4 26.5 22.6 15.7 10.8 9.63 12.7 18.7 25.1 26.8 20.9 12.7 7.07 4.13 2.89

3.0    6.44 10.8 18.4 28.1 32.5 28.9 17.7 11.5 10.2 13.7 21.3 30.4 32.8 25.1 14.8 7.78 4.27 2.88

1.0    6.64 10.7 17.6 26.2 29.9 25.1 16.9 11.4 10.1 13.8 20.8 28.8 31.1 23.3 13.9 7.52 4.23 2.90

       1.0   5.0   9.0   13.0   17.0   21.0   25.0   29.0   33.0
          3.0   7.0   11.0   15.0   19.0   23.0   27.0   31.0   35.0
                              X-AXIS
```
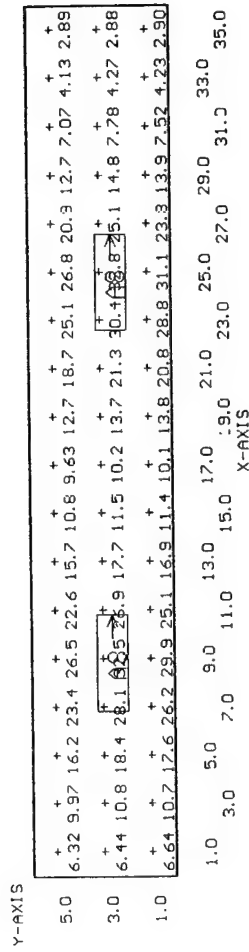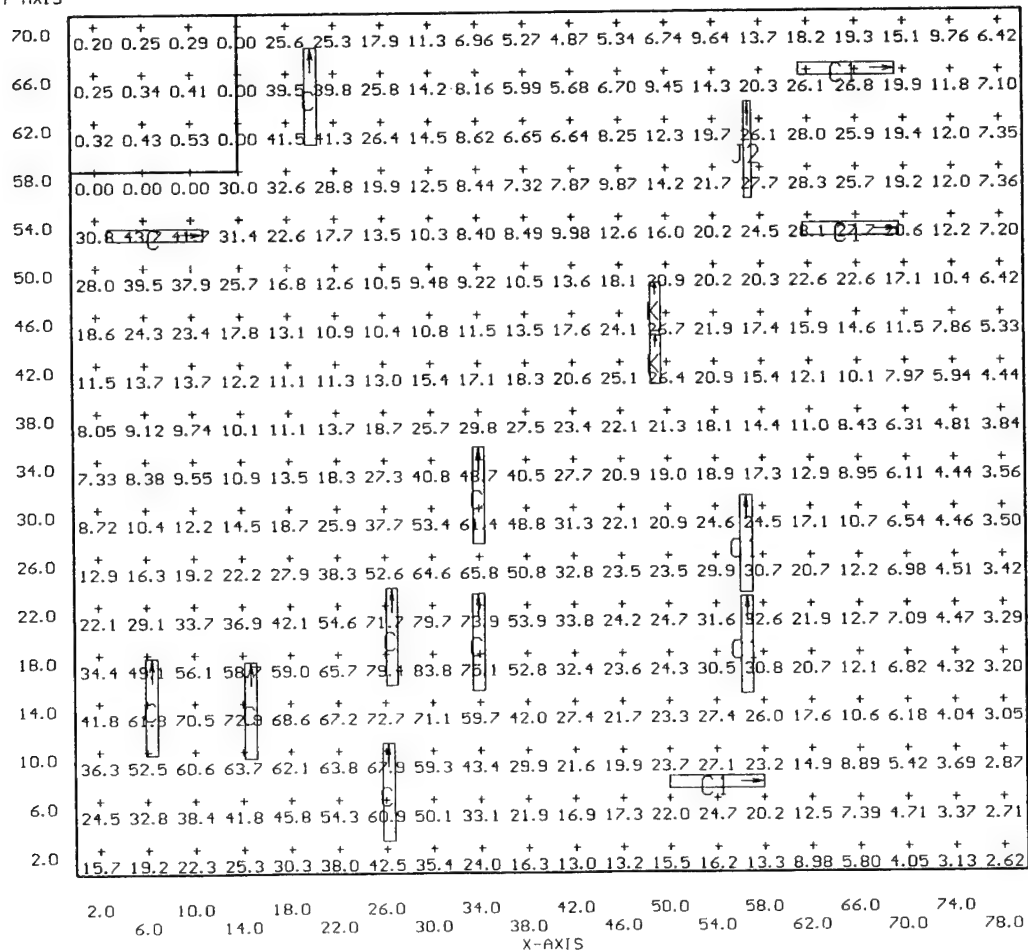
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:59 13-Feb-95
PROJECT: 34-910-1   AREA: SHEET METAL   GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00   MAX=83.8   AVE=22.4   AVE/MIN=N/A MAX/MIN=N/A

C ⟨8⟩ = K7983M COLUMBIA KP496, ⟨4⟩ F96T12/CW, LLF= 0.67
C1 ⟨5⟩ = 10242 COLUMBIA KP296, ⟨2⟩ F96T12/CW, LLF= 0.67
J2 ⟨1⟩ = K9000X COLUMBIA LU296-WL, ⟨2⟩ F96T12/CW, LLF= 0.67
K ⟨2⟩ = 7991 COLUMBIA CSR240-A, ⟨2⟩ F40CW, LLF= 0.68

Y-AXIS

70.0	0.20	0.25	0.29	0.00	25.6	25.3	17.9	11.3	6.96	5.27	4.87	5.34	6.74	9.64	13.7	18.2	19.3	15.1	9.76	6.42
66.0	0.25	0.34	0.41	0.00	39.5	39.8	25.8	14.2	8.16	5.99	5.68	6.70	9.45	14.3	20.3	26.1	26.8	19.9	11.8	7.10
62.0	0.32	0.43	0.53	0.00	41.5	41.3	26.4	14.5	8.62	6.65	6.64	8.25	12.3	19.7	26.1	28.0	25.9	19.4	12.0	7.35
58.0	0.00	0.00	0.00	30.0	32.6	28.8	19.9	12.5	8.44	7.32	7.87	9.87	14.2	21.7	27.7	28.3	25.7	19.2	12.0	7.36
54.0	30.8	43.2	41.7	31.4	22.6	17.7	13.5	10.3	8.40	8.49	9.98	12.6	16.0	20.2	24.5	28.1	27.2	20.6	12.2	7.20
50.0	28.0	39.5	37.9	25.7	16.8	12.6	10.5	9.48	9.22	10.5	13.6	18.1	20.9	20.2	20.3	22.6	22.6	17.1	10.4	6.42
46.0	18.6	24.3	23.4	17.8	13.1	10.9	10.4	10.8	11.5	13.5	17.6	24.1	25.7	21.9	17.4	15.9	14.6	11.5	7.86	5.33
42.0	11.5	13.7	13.7	12.2	11.1	11.3	13.0	15.4	17.1	18.3	20.6	25.1	25.4	20.9	15.4	12.1	10.1	7.97	5.94	4.44
38.0	8.05	9.12	9.74	10.1	11.1	13.7	18.7	25.7	29.8	27.5	23.4	22.1	21.3	18.1	14.4	11.0	8.43	6.31	4.81	3.84
34.0	7.33	8.38	9.55	10.9	13.5	18.3	27.3	40.8	48.7	40.5	27.7	20.9	19.0	18.9	17.3	12.9	8.95	6.11	4.44	3.56
30.0	8.72	10.4	12.2	14.5	18.7	25.9	37.7	53.4	61.4	48.8	31.3	22.1	20.9	24.6	24.5	17.1	10.7	6.54	4.46	3.50
26.0	12.9	16.3	19.2	22.2	27.9	38.3	52.6	64.6	65.8	50.8	32.8	23.5	23.5	29.9	30.7	20.7	12.2	6.98	4.51	3.42
22.0	22.1	29.1	33.7	36.9	42.1	54.6	71.7	79.7	73.9	53.9	33.8	24.2	24.7	31.6	32.6	21.9	12.7	7.09	4.47	3.29
18.0	34.4	49.1	56.1	58.7	59.0	65.7	79.4	83.8	75.1	52.8	32.4	23.6	24.3	30.5	30.8	20.7	12.1	6.82	4.32	3.20
14.0	41.8	61.8	70.5	72.9	68.6	67.2	72.7	71.1	59.7	42.0	27.4	21.7	23.3	27.4	26.0	17.6	10.6	6.18	4.04	3.05
10.0	36.3	52.5	60.6	63.7	62.1	63.8	67.9	59.3	43.4	29.9	21.6	19.9	23.7	27.1	23.2	14.9	8.89	5.42	3.69	2.87
6.0	24.5	32.8	38.4	41.8	45.8	54.3	60.9	50.1	33.1	21.9	16.9	17.3	22.0	24.7	20.2	12.5	7.39	4.71	3.37	2.71
2.0	15.7	19.2	22.3	25.3	30.3	38.0	42.5	35.4	24.0	16.3	13.0	13.2	15.5	16.2	13.3	8.98	5.80	4.05	3.13	2.62

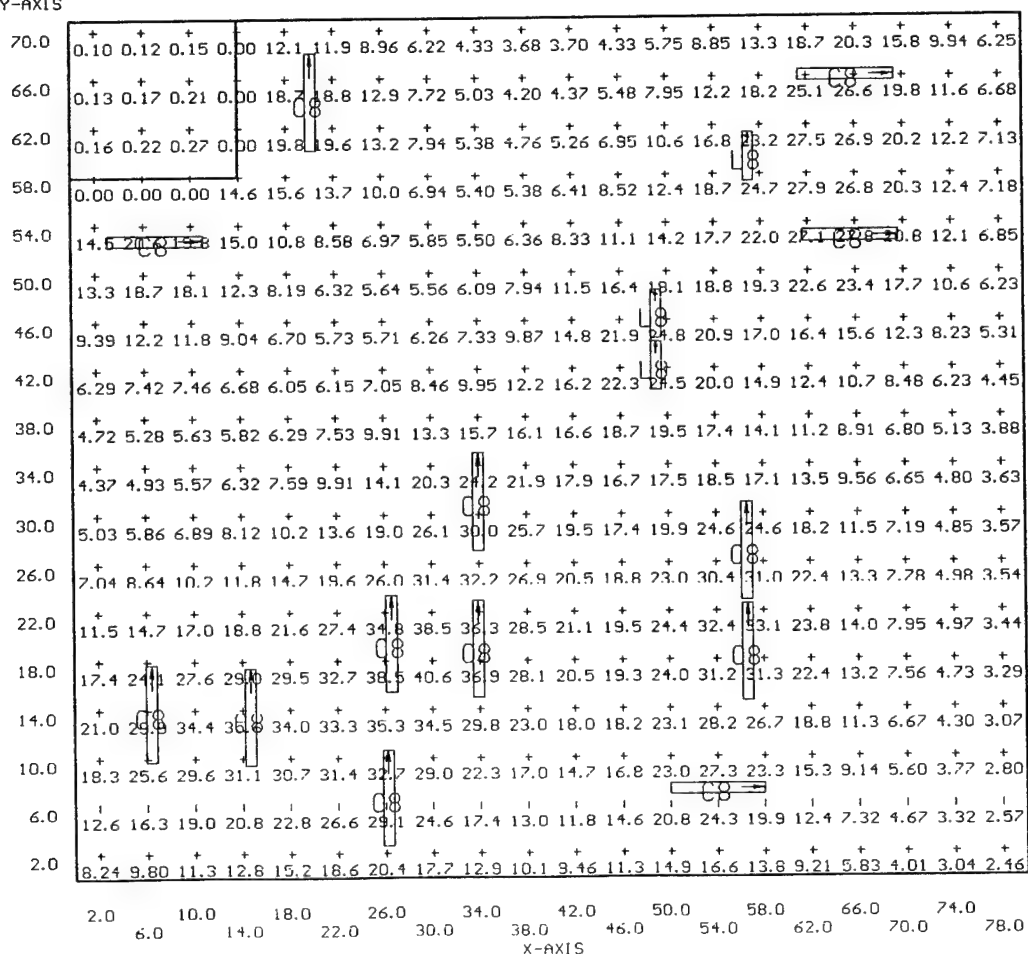| 2.0	10.0	18.0	26.0	34.0	42.0	50.0	58.0	66.0	74.0
	6.0	14.0	22.0	30.0	38.0	46.0	54.0	62.0	70.0	78.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:51 16-Mar-95
PROJECT: 34-910-1   AREA: SHEET METAL-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=0.00   MAX=40.6   AVE=14.7   AVE/MIN=N/A MAX/MIN=N/A

C8 <13> = K7993 COLUMBIA CSR296, (2) FO96/735, LLF= 0.67
L8 <3> = 10331 COLUMBIA CSR240-PAF-EOCT, (2) FO32/35K, LLF= 0.69

```
Y-AXIS
70.0  0.10 0.12 0.15 0.00 12.1 11.9 8.96 6.22 4.33 3.68 3.70 4.33 5.75 8.85 13.3 18.7 20.3 15.8 9.94 6.25

66.0  0.13 0.17 0.21 0.00 18.7 18.8 12.9 7.72 5.03 4.20 4.37 5.48 7.95 12.2 18.2 25.1 26.6 19.8 11.6 6.68

62.0  0.16 0.22 0.27 0.00 19.8 19.6 13.2 7.94 5.38 4.76 5.26 6.95 10.6 16.8 23.2 27.5 26.9 20.2 12.2 7.13

58.0  0.00 0.00 0.00 14.6 15.6 13.7 10.0 6.94 5.40 5.38 6.41 8.52 12.4 18.7 24.7 27.9 26.8 20.3 12.4 7.18

54.0  14.5 20.6 19.8 15.0 10.8 8.58 6.97 5.85 5.50 6.36 8.33 11.1 14.2 17.7 22.0 22.1 22.8 20.8 12.1 6.85

50.0  13.3 18.7 18.1 12.3 8.19 6.32 5.64 5.56 6.09 7.94 11.5 16.4 18.1 18.8 19.3 22.6 23.4 17.7 10.6 6.23

46.0  9.39 12.2 11.8 9.04 6.70 5.73 5.71 6.26 7.33 9.87 14.8 21.9 24.8 20.9 17.0 16.4 15.6 12.3 8.23 5.31

42.0  6.29 7.42 7.46 6.68 6.05 6.15 7.05 8.46 9.95 12.2 16.2 22.3 24.5 20.0 14.9 12.4 10.7 8.48 6.23 4.45

38.0  4.72 5.28 5.63 5.82 6.29 7.53 9.91 13.3 15.7 16.1 16.6 18.7 19.5 17.4 14.1 11.2 8.91 6.80 5.13 3.88

34.0  4.37 4.93 5.57 6.32 7.59 9.91 14.1 20.3 24.2 21.9 17.9 16.7 17.5 18.5 17.1 13.5 9.56 6.65 4.80 3.63

30.0  5.03 5.86 6.89 8.12 10.2 13.6 19.0 26.1 30.0 25.7 19.5 17.4 19.9 24.6 24.6 18.2 11.5 7.19 4.85 3.57

26.0  7.04 8.64 10.2 11.8 14.7 19.6 26.0 31.4 32.2 26.9 20.5 18.8 23.0 30.4 31.0 22.4 13.3 7.28 4.98 3.54

22.0  11.5 14.7 17.0 18.8 21.6 27.4 34.8 38.5 36.3 28.5 21.1 19.5 24.4 32.4 33.1 23.8 14.0 7.95 4.97 3.44

18.0  17.4 24.1 27.6 29.0 29.5 32.7 38.5 40.6 36.9 28.1 20.5 19.3 24.0 31.2 31.3 22.4 13.2 7.56 4.73 3.29

14.0  21.0 29.9 34.4 36.8 34.0 33.3 35.3 34.5 29.8 23.0 18.0 18.2 23.1 28.2 26.7 18.8 11.3 6.67 4.30 3.07

10.0  18.3 25.6 29.6 31.1 30.7 31.4 32.7 29.0 22.3 17.0 14.7 16.8 23.0 27.3 23.3 15.3 9.14 5.60 3.77 2.80

6.0   12.6 16.3 19.0 20.8 22.8 26.6 29.1 24.6 17.4 13.0 11.8 14.6 20.8 24.3 19.9 12.4 7.32 4.67 3.32 2.57

2.0   8.24 9.80 11.3 12.8 15.2 18.6 20.4 17.7 12.9 10.1 9.46 11.3 14.9 16.6 13.8 9.21 5.83 4.01 3.04 2.46

      2.0       10.0      18.0      26.0      34.0      42.0      50.0      58.0      66.0      74.0
          6.0       14.0      22.0      30.0      38.0      46.0      54.0      62.0      70.0      78.0
                                              X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:09 13-Feb-95
PROJECT: 34-910-1   AREA: STORAGE CRIB   GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.48   MAX=34.9   AVE=20.6   AVE/MIN= 13.95 MAX/MIN= 23.62

C3 <18> = 10242 COLUMBIA KP296, (2) F96T12/CW/WM, LLF= 0.69

Y-AXIS

```
46.0  12.0 16.1 18.9 20.3 21.1 21.4 21.7 21.9 21.8 21.7 21.5 21.2 20.8 20.1 19.6 19.0 17.8 15.8 12.3 8.23
42.0  15.8 23.3 29.3 30.7 30.7 31.2 31.3 31.4 31.5 30.9 31.0 30.9 28.5 27.5 25.8 22.3 17.1 10.4
38.0  16.8 24.7 29.3 31.3 32.8 32.9 33.4 33.5 33.6 33.0 33.0 32.6 31.8 31.4 30.0 29.0 27.8 25.8 23.2 17.0 10.0
34.0  15.5 21.3 25.3 27.5 28.7 29.1 29.5 29.4 29.1 28.8 28.2 27.3 26.0 23.9 21.7 19.8 17.8 15.5 11.8 7.80
30.0  15.7 21.6 25.7 27.9 29.1 29.5 29.9 29.8 29.6 29.2 28.8 28.0 26.8 24.7 20.8 16.6 13.5 11.4 9.61 7.65 5.78
26.0  17.6 25.2 30.6 32.7 34.3 34.4 34.8 34.5 31.6 33.2 30.3 21.3 14.0 9.62 7.34 5.97 4.91 4.15
22.0  17.6 25.7 30.6 32.7 34.2 34.3 34.8 34.7 34.0 33.8 32.5 31.6 30.3 28.3 25.4 19.1 11.8 7.45 5.31 4.18 3.44 2.75
18.0  15.7 21.6 25.7 27.8 29.0 29.4 29.6 29.3 28.6 27.5 25.5 23.4 21.4 19.4 16.9 13.0 8.70 5.76 4.15 3.27 2.71 2.25
14.0  15.5 21.3 25.3 27.4 28.5 28.9 29.0 28.6 27.6 25.7 22.0 17.8 14.6 12.5 10.5 8.32 6.10 4.42 3.32 2.67 2.25 1.95
10.0  16.8 24.1 29.2 31.2 32.6 32.5 32.2 30.8 28.4 24.2 15.0 10.6 8.19 6.65 5.32 4.17 3.27 2.62 2.19 1.92 1.72
 6.0  15.8 23.2 27.5 29.2 30.5 30.4 30.0 28.5 26.0 19.8 12.7 8.39 6.17 4.81 3.84 3.10 2.56 2.16 1.88 1.69 1.55
 2.0  12.0 16.1 18.9 20.2 21.0 21.1 20.4 19.3 17.4 13.8 9.72 6.87 5.25 3.99 3.01 2.50 2.16 1.89 1.69 1.57 1.48

      2.0  6.0  10.0 14.0 18.0 22.0 26.0 30.0 34.0 38.0 42.0 46.0 50.0 54.0 58.0 62.0 66.0 70.0 74.0 78.0 82.0 86.0
                                              X-AXIS
```

JSI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:55 16-Mar-95
PROJECT: 34-910-1 AREA: STORAGE CRIB-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 16.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.73   MAX=40.9   AVE=24.4   AVE/MIN= 14.10 MAX/MIN= 23.65

C8 <18> = K7993 COLUMBIA CSR296, (2) F09S/735, LLF= 0.67

```
Y-AXIS

46.0   14.4 19.5 23.0 24.7 25.7 26.0 26.3 26.5 25.4 26.3 26.1 25.7 25.2 24.3 23.7 22.9 21.5 15.1 14.7 9.65

42.0   18.1 26.7 31.2 33.8 35.3 35.4 35.9 36.6 35.8 36.2 33.6 35.2 35.1 34.3 33.0 32.2 31.2 29.2 26.2 19.3 11.3

38.0   19.3 28.5 33.9 36.2 37.9 38.0 38.6 38.7 38.4 38.8 38.1 37.6 36.6 36.1 34.2 33.1 31.5 29.2 26.2 19.1 11.2

34.0   18.5 25.8 30.8 33.4 34.9 35.4 35.8 35.9 35.7 35.7 35.3 34.9 34.2 33.1 31.6 28.9 26.2 23.8 21.4 18.7 14.1 9.19

30.0   18.9 26.3 31.4 34.1 35.6 36.1 36.5 36.6 36.5 36.3 36.2 35.6 35.0 34.1 32.6 30.1 25.4 20.1 16.3 13.8 11.7 9.22 6.84

26.0   20.5 30.1 35.9 38.4 40.2 40.4 40.9 40.3 40.3 40.3 40.3 40.0 38.6 37.4 35.3 32.2 25.0 16.7 11.7 9.06 7.41 6.03 4.99

22.0   20.5 30.1 35.8 38.4 40.2 40.3 40.8 40.7 39.9 39.5 37.8 36.7 35.1 32.7 29.5 22.2 14.0 8.99 6.55 5.20 4.26 3.33

18.0   18.9 26.3 31.4 34.0 35.5 36.1 35.9 35.0 33.6 31.1 28.5 26.0 23.6 20.7 15.8 10.6 6.98 5.05 3.87 3.27 2.7

14.0   18.5 25.8 30.8 33.3 34.8 35.1 35.3 34.8 33.6 31.4 25.8 21.6 17.8 15.3 12.9 10.2 7.38 5.29 3.96 3.16 2.64 2.23

10.0   19.3 28.5 33.9 36.1 37.8 38.0 37.5 35.8 33.1 26.0 17.9 12.9 10.1 8.29 6.63 5.15 3.98 3.15 2.50 2.25 2.00

6.0    18.1 26.7 31.7 33.7 35.0 35.3 34.7 33.0 30.2 23.2 15.1 10.2 7.64 6.03 4.81 3.86 3.14 2.62 2.25 2.00 1.83

2.0    14.4 19.5 22.9 24.6 25.5 25.7 24.9 23.6 21.3 15.9 11.8 8.38 6.44 4.90 3.71 3.07 2.61 2.28 2.33 1.85 1.73

        2.0     10.0     18.0     26.0     34.0     42.0     50.0     58.0     66.0     74.0     82.0
           5.0     14.0     22.0     30.0     38.0     46.0     54.0     62.0     70.0     78.0     86.0
                                          X-AXIS
```

Bldg 34-970 Summary

Present System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
A	96	2	192
B	192	1	192
F	166	23	3,818
G	84	12	1,008
M3	192	2	384
X2	75	2	150
Totals		42	5,744

Replacement System

Fixture Type	Watts/ Fixture	Number Fixtures	Total Watts
CF	34	2	68
G8	59	27	1,593
W8	59	5	295
Totals		34	1,956

34-970 Schedule

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-970   Type: Indoor

Luminaire Fixture Schedule /**PRESENT**

Project name: Lighting Survey - PBA Bldg 34-970	Project #6941331
Prepared for: Corps of Engineers	Date: 6-Jan-95
Prepared by: C. Warren	UPD: 3.0W/Sq.Ft

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
A	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	F40CW STD	000 - 96	2	
B	18"X4'4L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WPW440-A	F40CW STD	000 - 192	1	
F	2X4 4L FLUSH STATIC TROFFER LENS- .125" POLARIZED PATT.12 COLUMBIA 4PS2*-87-244	F40CW ESB	000 - 166	23	
G	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-12 COLUMBIA 4PS2*-52-242	F40CW ESB	000 - 84	12	
M3	9"X4' 4L SURFACE TURRET STRIP EGGCRATE LOUVERS COLUMBIA K440-T	F40CW STD	000 - 192	2	
X2	5"RECESS ROUND DOWNLIGHT,LOWER OPEN- CLEAR ALZAK REFLECTOR PRESCOLITE 1222-262	75A19/SW NA	000 - 75	2	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Luminaire Fixture Schedule
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-970   Type: Indoor

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-------------------------------------------------------------------------
|                    Luminaire Fixture Schedule  /PROPOSED             |
|-----------------------------------------------------------------------|
| Project name: Lighting Survey - PBA Bldg 34-970  | Project #6941331   |
| Prepared for: Corps of Engineers                 | Date: 10-Mar-95    |
| Prepared by:  C. Warren                          | UPD: 1.0W/Sq.Ft    |
-------------------------------------------------------------------------
```

TYPE	DESCRIPTION	LAMP/BALLAST	V/W	QTY	REMARKS
CF	8"1L(VERT)RECESS ROUND DOWNLTE OPEN- CLEAR ALZAK REFLECTOR PRESCOLITE CF123526-462	F26DTT/27K STD P320	000 - 26 34	2	
G8	2X4 2L FLUSH STATIC TROFFER LENS-PRISMATIC ACRYLIC PATT-19 COLUMBIA T84PS2*-84-242-2EOCT	FO32/31K EOCT	000 - 59	27	
W8	15"X4'2L CEILING MT.WRAPAROUND LENS- PRISMATIC W/ GLOW ENDS COLUMBIA WCW240-A	FO32/35K EOCT	000 - 59	5	

NOTES:

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Area Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-970   Type: Indoor

Project Area Summary	
Project name: Lighting Survey - PBA Bldg 34-970 Prepared for: Corps of Engineers Prepared by: C. Warren	Project #6941331 Date: 10-Mar-95 UPD: 2.0W/Sq.Ft

AREA NAME	DIMENSIONS	LUMINAIRES		W/SQ.FT	QTY
SECRETARY OFC	12x12x8Ft	(4)	Type F	4.6	1
SECRETARY OFC-N	12x12x8Ft	(3)	Type G8	1.2	1
ADMIN OFFICE	16x16x8Ft	(4)	Type F	2.6	1
⬤MIN OFFICE-N	16x16x8Ft	(4)	Type G8	0.9	1
ADMIN #4	11x12x8Ft	(4)	Type F	5.0	1
ADMIN #4-N	11x12x8Ft	(3)	Type G8	1.3	1
ADMIN #3	13x12x8Ft	(4)	Type F	4.3	1
ADMIN #3-N	13x12x8Ft	(4)	Type G8	1.5	1
DIRECTOR	18x16x8Ft	(8)	Type G	2.3	1
DIRECTOR-N	18x16x8Ft	(4)	Type G8	0.8	1
CONF ROOM	18x16x8Ft	(5)	Type F	2.9	1
CONF ROOM-N	18x16x8Ft	(4)	Type G8	0.8	1
FILE ROOM	14x9x8Ft	(2)	Type F	2.6	1
FILE ROOM-N	14x9x8Ft	(1)	Type G8	0.5	1
COPIER ROOM	13x6x10Ft	(2)	Type M3	4.9	1
COPIER ROOM-N	13x6x10Ft	(2)	Type W8	1.5	1
⬤ORAGE ROOM	15x6x10Ft	(2)	Type A	2.1	1
STORAGE ROOM-N	15x6x10Ft	(2)	Type W8	1.3	1
WOMEN'S LOUNGE	6x9x10Ft	(1)	Type B	3.6	1

WOMENS LOUNGE-N	6x9x10Ft	(1)	Type W8	1.1	1
RESTROOMS	4x9x8Ft	(1)	Type X2	2.1	2
RESTROOMS-N	4x9x8Ft	(1)	Type CF	0.9	2
ALCOVE	6x4x8Ft	(1)	Type G	4.0	1
ALCOVE-N	6x4x8Ft	(1)	Type G8	2.8	1
KITCHEN	8x13x8Ft	(1)	Type G	0.8	1
KITCHEN-N	8x13x8Ft	(1)	Type G8	0.6	1
HALLWAY	30x4x8Ft	(2)	Type G	1.4	1
HALLWAY-N	30x4x8Ft	(2)	Type G8	1.0	1

NOTES:

34-970 Calculations

Reynolds, Smith & Hills, Inc.
4651 Salisbury Road
Jacksonville, FL 32256
Buildings Engineering

Project Calculation Summary
Generated by LitePro V2.27E
Provided and supported by USI Lighting, Inc.
Filename: 34-970   Type: Indoor

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---------------------------------------------------------------------------
                    Project Calculation Summary
---------------------------------------------------------------------------
Project name: Lighting Survey - PBA Bldg 34-970  | Project #6941331
Prepared for: Corps of Engineers                 | Date: 10-Mar-95
Prepared by:  C. Warren                          | UPD: 2.0W/Sq.Ft
---------------------------------------------------------------------------
```

AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
SECRETARY OFC	12x12x8Ft	Ceiling	<+> 106.5	146.4	66.4
SECRETARY OFC-N	12x12x8Ft	Ceiling	<+> 49.5	79.3	24.7
ADMIN OFFICE	16x16x8Ft	Ceiling	<+> 69.2	121.4	24.1
_MIN OFFICE-N	16x16x8Ft	Ceiling	<+> 42.7	72.1	16.6
ADMIN #4	11x12x8Ft	Ceiling	<+> 108.9	148.5	69.3
ADMIN #4-N	11x12x8Ft	Ceiling	<+> 50.4	79.9	25.9
ADMIN #3	13x12x8Ft	Ceiling	<+> 103.5	149.4	49.3
ADMIN #3-N	13x12x8Ft	Ceiling	<+> 59.6	77.3	35.8
DIRECTOR	18x16x8Ft	Ceiling	<+> 76.8	104.5	34.7
DIRECTOR-N	18x16x8Ft	Ceiling	<+> 38.2	60.0	15.5
CONF ROOM	18x16x8Ft	Ceiling	<+> 79.4	150.4	14.4
CONF ROOM-N	18x16x8Ft	Ceiling	<+> 38.4	76.0	6.6
FILE ROOM	14x9x8Ft	Ceiling	<+> 58.0	88.3	32.5
FILE ROOM-N	14x9x8Ft	Ceiling	<+> 19.0	41.9	6.3
COPIER ROOM	13x6x10Ft	Ceiling	<+> 27.2	32.6	20.4
_PIER ROOM-N	13x6x10Ft	Ceiling	<+> 29.7	36.2	23.7
STORAGE ROOM	15x6x10Ft	Ceiling	<+> 29.5	34.6	21.2
STORAGE ROOM-N	15x6x10Ft	Ceiling	<+> 26.3	30.9	18.9

WOMEN'S LOUNGE	6x9x10Ft	Ceiling	<+>	35.9	43.5	28.7
WOMENS LOUNGE-N	6x9x10Ft	Ceiling	<+>	18.8	22.8	15.0
RESTROOMS	4x9x8Ft	Ceiling	<+>	8.7	15.1	1.1
RESTROOMS-N	4x9x8Ft	Ceiling	<+>	8.0	17.6	1.7
ALCOVE	6x4x8Ft	Ceiling	<+>	58.5	65.5	47.9
ALCOVE-N	6x4x8Ft	Ceiling	<+>	57.1	64.2	46.7
KITCHEN	8x13x8Ft	Ceiling	<+>	23.2	47.6	8.5
KITCHEN-N	8x13x8Ft	Ceiling	<+>	22.7	47.3	7.2
HALLWAY	30x4x8Ft	Ceiling	<+>	28.9	46.3	12.4
HALLWAY-N	30x4x8Ft	Ceiling	<+>	27.5	45.3	10.8

NOTES:

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:37 6-Jan-95
PROJECT: 34-970   AREA: SECRETARY OFC   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=66.4   MAX=146.   AVE=107.   AVE/MIN=   1.60 MAX/MIN=   2.20

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
        +------------------------------------------------+
        |   +     +     +     +     +     +               |
11.0    | 66.4  93.5  114.  114.  93.5  66.4             |
        |      +-------------+-------------+              |
        |   +  | +  F  +--> || +  F  +-->  |   +          |
 9.0    | 79.0 |115.  140. ||140.  115.  | 79.0          |
        |      +-------------+-------------+              |
        |   +     +     +     +     +     +               |
 7.0    | 83.4  121.  146.  146.  121.  83.4             |
        |                                                |
        |   +     +     +     +     +     +               |
 5.0    | 83.4  121.  146.  146.  121.  83.4             |
        |      +-------------+-------------+              |
        |   +  | +  F  +--> || +  F  +-->  |   +          |
 3.0    | 79.0 |115.  140. ||140.  115.  | 79.0          |
        |      +-------------+-------------+              |
        |   +     +     +     +     +     +               |
 1.0    | 66.4  93.5  114.  114.  93.5  66.4             |
        +------------------------------------------------+

     1.0        5.0        9.0
         3.0        7.0        11.0
              X-AXIS
```
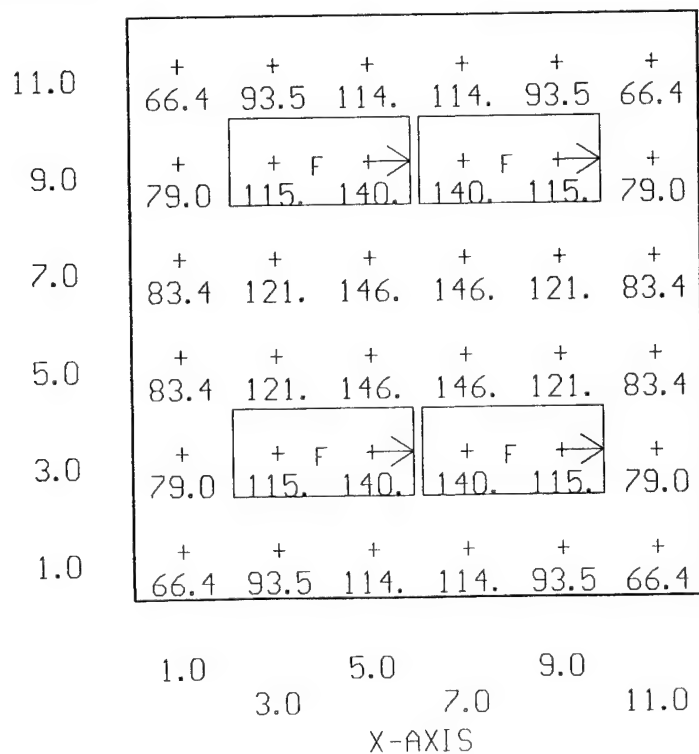
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:33 10-Mar-95
PROJECT: 34-970 AREA: SECRETARY OFC-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.7   MAX=79.3   AVE=49.5   AVE/MIN=   2.00 MAX/MIN=   3.20

G8 <3> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

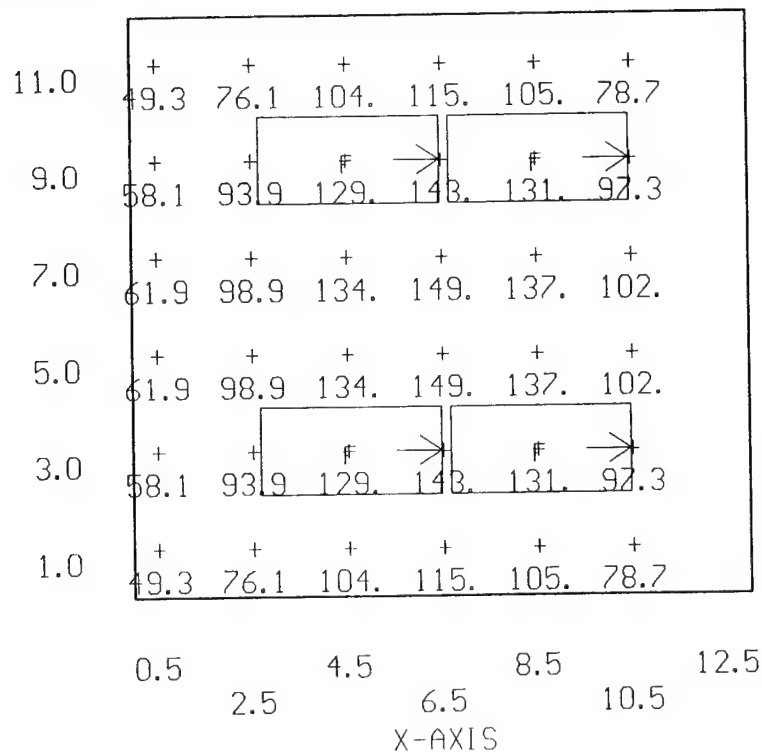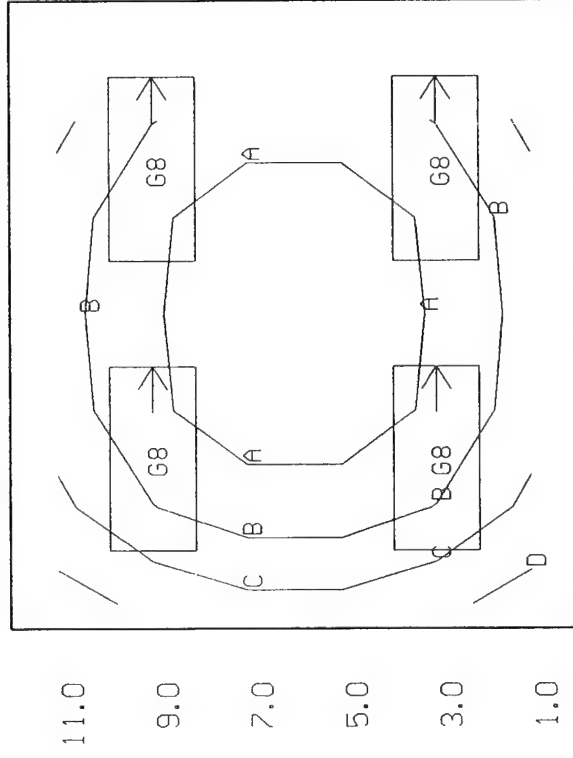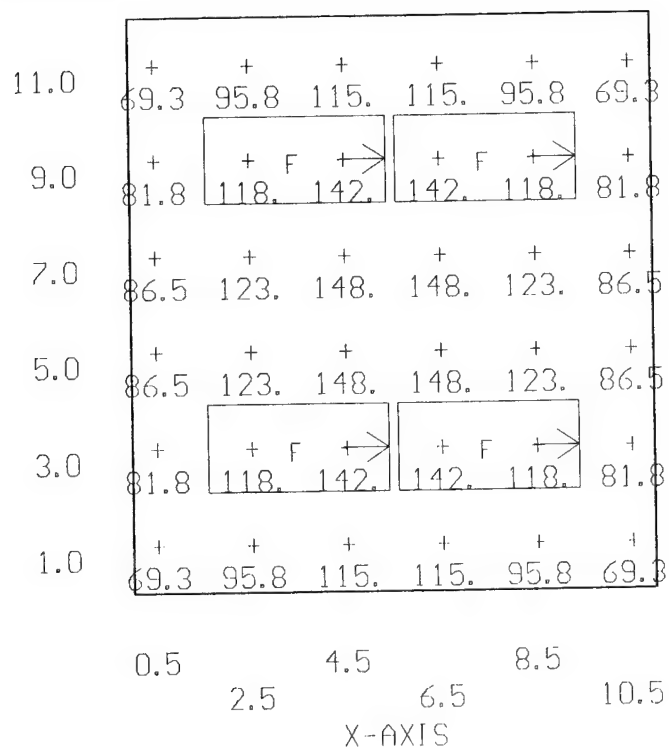Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
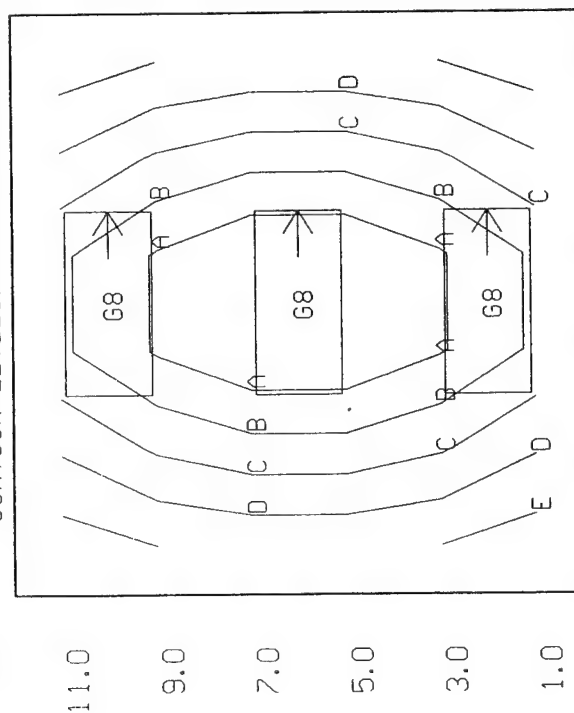
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:46 6-Jan-95
PROJECT: 34-970   AREA: ADMIN #3   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=49.3   MAX=149.   AVE=103.   AVE/MIN=   2.10 MAX/MIN=   3.03

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
11.0    +      +      +      +      +      +
        49.3   76.1   104.   115.   105.   78.7

 9.0    +      +      F  →   F  →
        58.1   93.9   129.   143.   131.   97.3

 7.0    +      +      +      +      +      +
        61.9   98.9   134.   149.   137.   102.

 5.0    +      +      +      +      +      +
        61.9   98.9   134.   149.   137.   102.

 3.0    +      +      F  →   F  →
        58.1   93.9   129.   143.   131.   97.3

 1.0    +      +      +      +      +      +
        49.3   76.1   104.   115.   105.   78.7
```

        0.5   4.5   8.5   12.5
            2.5   6.5   10.5
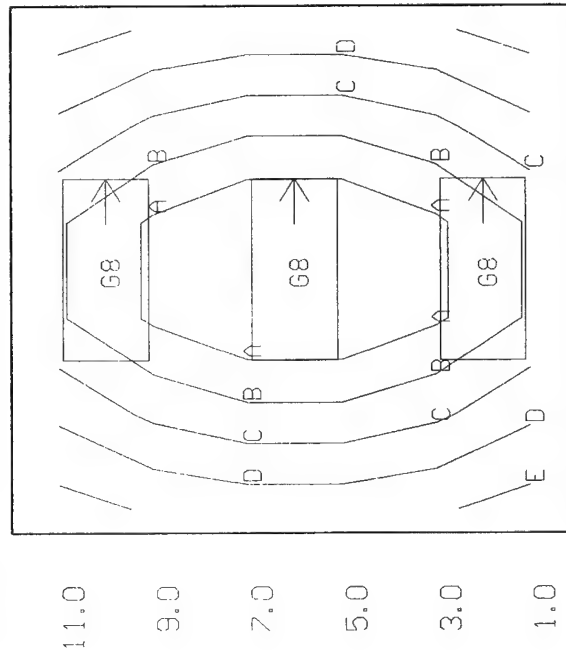   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:38 10-Mar-95
PROJECT: 34-970 AREA: ADMIN #3-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=35.8   MAX=77.3   AVE=59.6   AVE/MIN=   1.66 MAX/MIN=   2.16

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

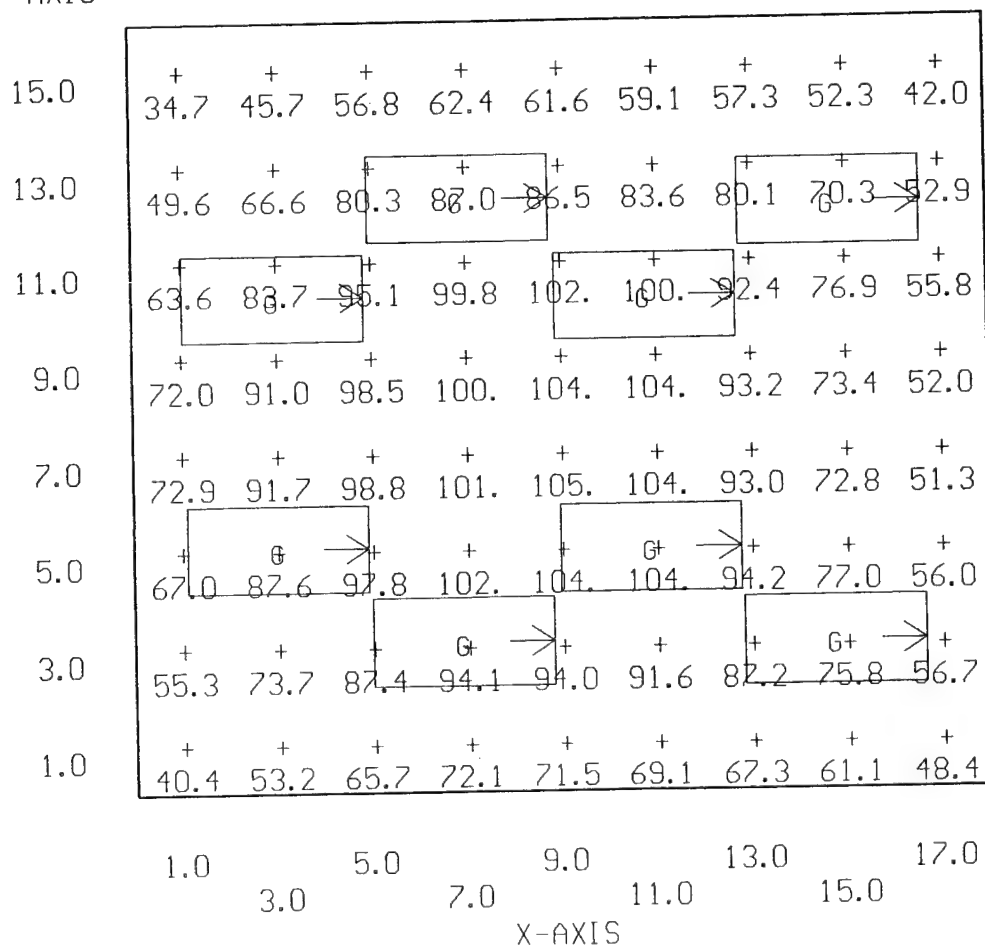Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

X-AXIS

0.5   2.5   4.5   6.5   8.5   10.5   12.5

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:43 6-Jan-95
PROJECT: 34-970 AREA: ADMIN #4   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=69.3   MAX=148.   AVE=109.   AVE/MIN=   1.57 MAX/MIN=   2.14

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
        +      +      +      +      +      +
11.0   69.3   95.8   115.   115.   95.8   69.3
          ┌─────────────┐┌─────────────┐
        + │    + F   +──→││  + F   +──→ │  +
 9.0   81.8│ 118.   142. ││ 142.   118. │81.8
          └─────────────┘└─────────────┘
        +      +      +      +      +      +
 7.0   86.5   123.   148.   148.   123.   86.5

        +      +      +      +      +      +
 5.0   86.5   123.   148.   148.   123.   86.5
          ┌─────────────┐┌─────────────┐
        + │    + F   +──→││  + F   +──→ │  +
 3.0   81.8│ 118.   142. ││ 142.   118. │81.8
          └─────────────┘└─────────────┘
        +      +      +      +      +      +
 1.0   69.3   95.8   115.   115.   95.8   69.3
```

      0.5   4.5   8.5
           2.5   6.5   10.5
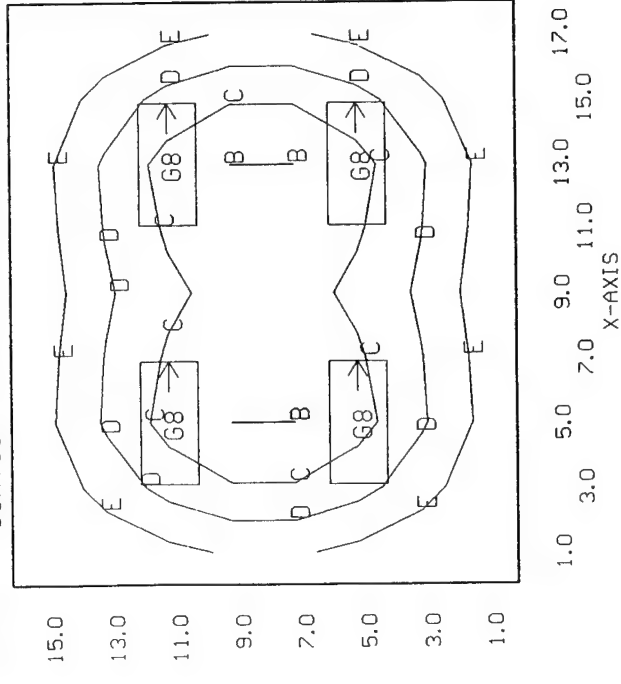   X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:41 10-Mar-95
PROJECT: 34-970 AREA: ADMIN #4-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=25.9   MAX=79.9   AVE=50.4   AVE/MIN=   1.94 MAX/MIN=   3.08

G8 <3> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

11.0

9.0

7.0

5.0

3.0

1.0

0.5   2.5   4.5   6.5   8.5   10.5

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:55 6-Jan-95
PROJECT: 34-970 AREA: DIRECTOR GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=34.7   MAX=105.   AVE=76.8   AVE/MIN= 2.22 MAX/MIN=   3.01

G <8> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

```
       +     +     +     +     +     +     +     +     +
15.0  34.7  45.7  56.8  62.4  61.6  59.1  57.3  52.3  42.0

       +     +     +     +     +     +     +     +     +
13.0  49.6  66.6  80.3  86.0  86.5  83.6  80.1  70.3  52.9

       +     +     +     +     +     +     +     +     +
11.0  63.6  83.7  95.1  99.8  102.  100.  92.4  76.9  55.8

       +     +     +     +     +     +     +     +     +
 9.0  72.0  91.0  98.5  100.  104.  104.  93.2  73.4  52.0

       +     +     +     +     +     +     +     +     +
 7.0  72.9  91.7  98.8  101.  105.  104.  93.0  72.8  51.3

       +     G     +     +     +     G+    +     +     +
 5.0  67.0  82.6  97.8  102.  104.  104.  94.2  77.0  56.0

       +     +     +     G+    +     +     +     G+    +
 3.0  55.3  73.7  87.4  94.1  94.0  91.6  82.2  75.8  56.7

       +     +     +     +     +     +     +     +     +
 1.0  40.4  53.2  65.7  72.1  71.5  69.1  67.3  61.1  48.4
```

      1.0   5.0   9.0   13.0   17.0
           3.0   7.0   11.0   15.0
                        X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 11:45 10-Mar-95
PROJECT: 34-970 AREA: DIRECTOR-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.5   MAX=60.0   AVE=38.2   AVE/MIN=   2.46 MAX/MIN=   3.87

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, <2> FO32/31K, LLF= 0.66

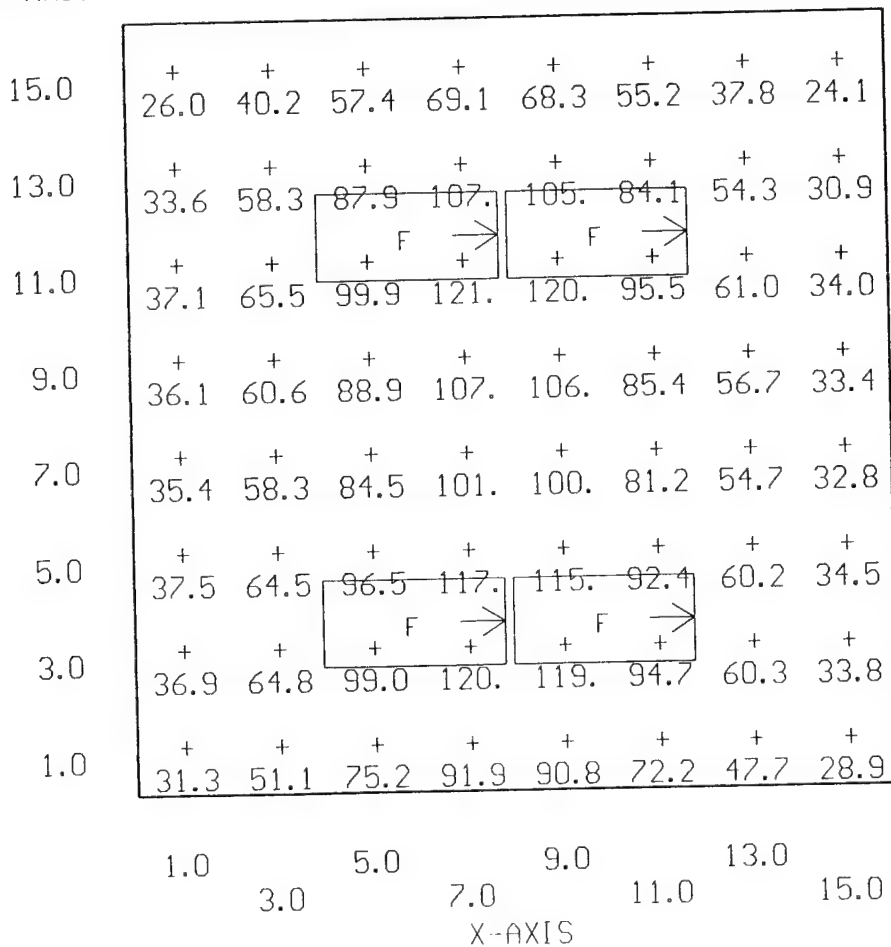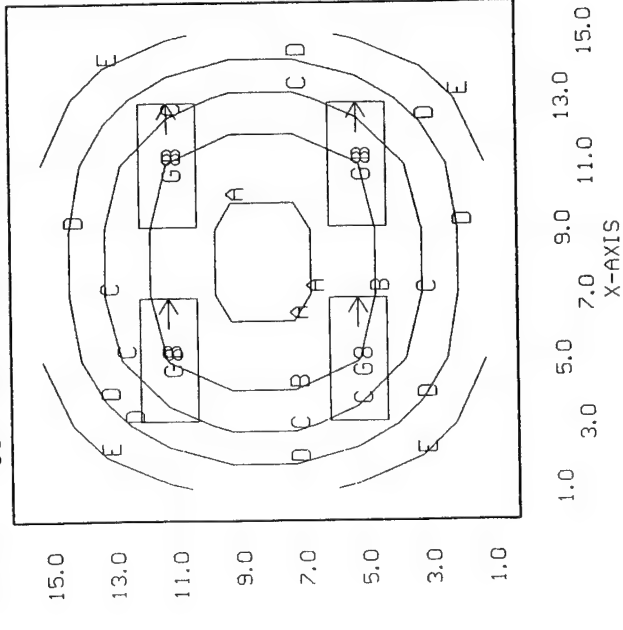Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:59 6-Jan-95
PROJECT: 34-970 AREA: ADMIN OFFICE GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=24.1   MAX=121.   AVE=69.2   AVE/MIN=   2.87 MAX/MIN=   5.03

F <4> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
          +     +     +     +     +     +     +     +
15.0    26.0  40.2  57.4  69.1  68.3  55.2  37.8  24.1

          +     +     +     +     +     +     +     +
13.0    33.6  58.3  87.9  107.  105.  84.1  54.3  30.9
                          F  →         F  →
          +     +     +     +     +     +     +     +
11.0    37.1  65.5  99.9  121.  120.  95.5  61.0  34.0

          +     +     +     +     +     +     +     +
 9.0    36.1  60.6  88.9  107.  106.  85.4  56.7  33.4

          +     +     +     +     +     +     +     +
 7.0    35.4  58.3  84.5  101.  100.  81.2  54.7  32.8

          +     +     +     +     +     +     +     +
 5.0    37.5  64.5  96.5  117.  115.  92.4  60.2  34.5
                          F  →         F  →
          +     +     +     +     +     +     +     +
 3.0    36.9  64.8  99.0  120.  119.  94.7  60.3  33.8

          +     +     +     +     +     +     +     +
 1.0    31.3  51.1  75.2  91.9  90.8  72.2  47.7  28.9
```

```
     1.0       5.0       9.0      13.0
          3.0       7.0      11.0      15.0
               X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:48 10-Mar-95
PROJECT: 34-970 AREA: ADMIN OFFICE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=16.6   MAX=72.1   AVE=42.7   AVE/MIN=   2.58 MAX/MIN=   4.36

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2E0CT, <2> F032/31K, LLF= 0.66

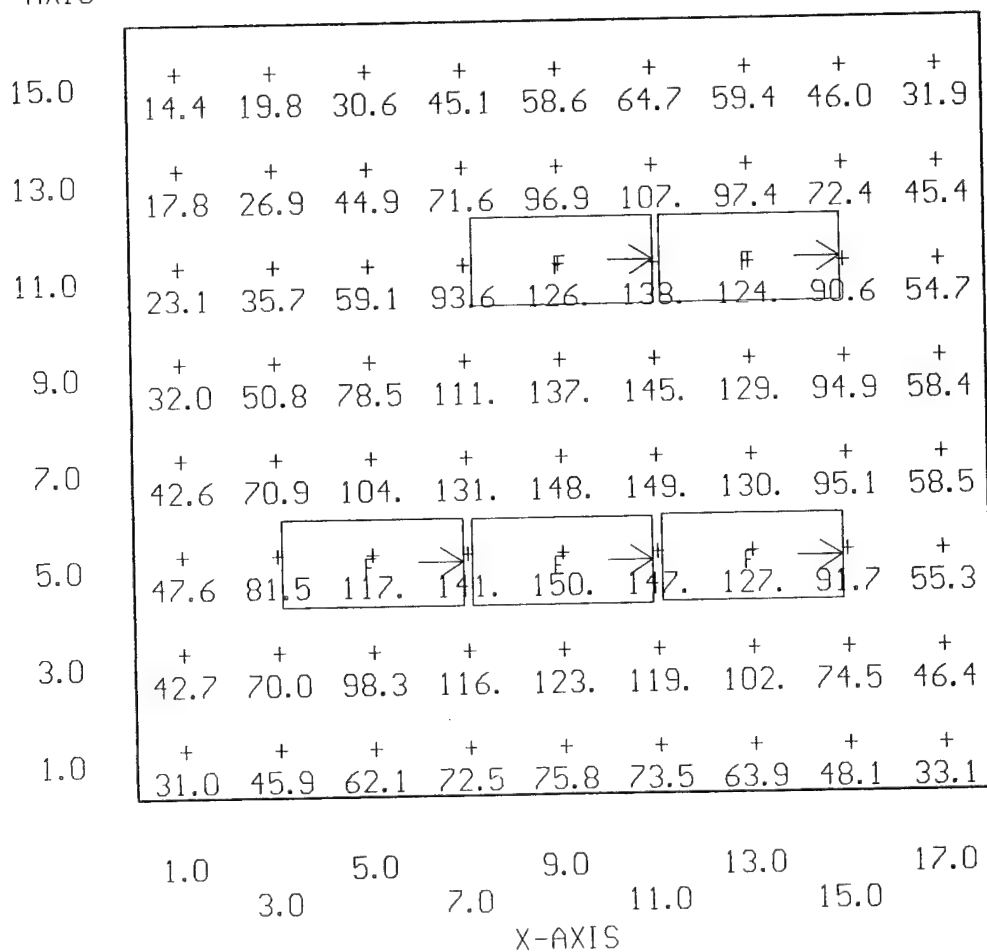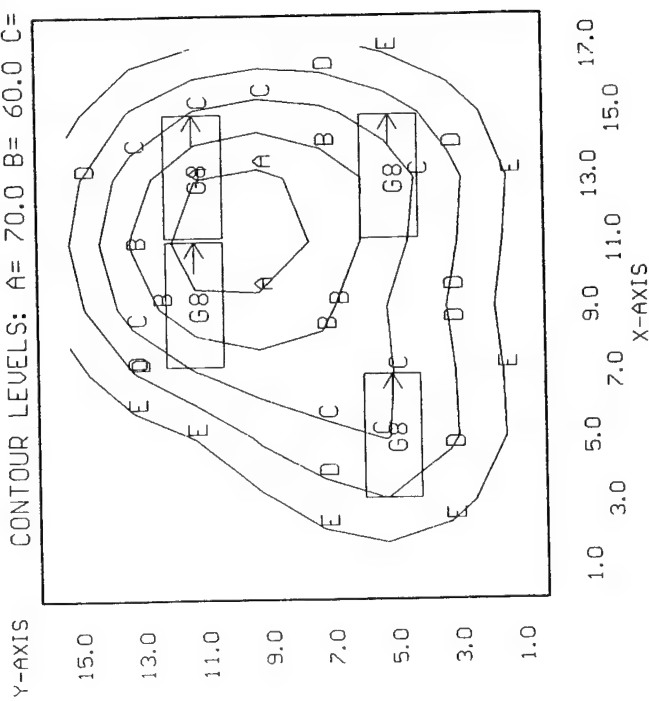Y-AXIS   CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0

15.0

13.0

11.0

9.0

7.0

5.0

3.0

1.0

1.0   5.0   9.0   13.0   15.0
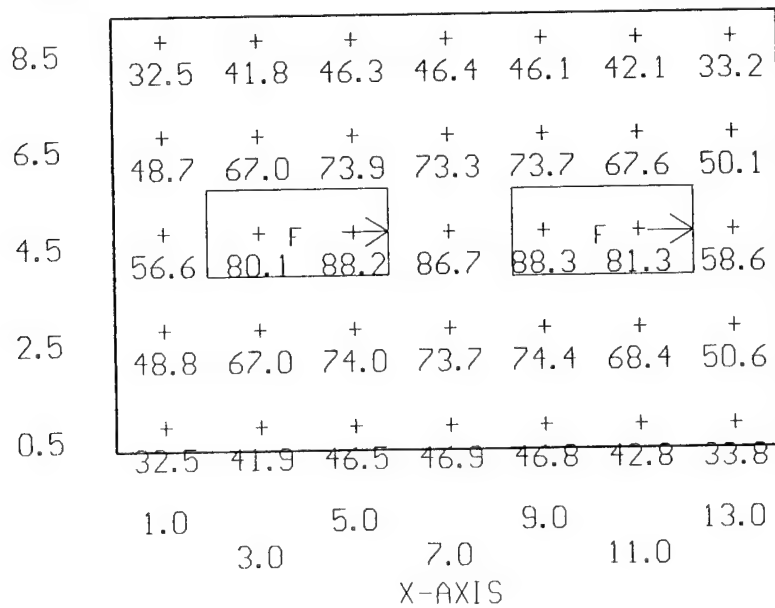   3.0   7.0   11.0
              X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:05 6-Jan-95
PROJECT: 34-970 AREA: CONF ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=14.4   MAX=150.   AVE=79.4   AVE/MIN=   5.53 MAX/MIN= 10.47

F <5> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

15.0	+ 14.4	+ 19.8	+ 30.6	+ 45.1	+ 58.6	+ 64.7	+ 59.4	+ 46.0	+ 31.9
13.0	+ 17.8	+ 26.9	+ 44.9	+ 71.6	+ 96.9	+ 107.	+ 97.4	+ 72.4	+ 45.4
11.0	+ 23.1	+ 35.7	+ 59.1	+ 93.6	126.	138.	124.	90.6	+ 54.7
9.0	+ 32.0	+ 50.8	+ 78.5	+ 111.	+ 137.	+ 145.	+ 129.	+ 94.9	+ 58.4
7.0	+ 42.6	+ 70.9	+ 104.	+ 131.	+ 148.	+ 149.	+ 130.	+ 95.1	+ 58.5
5.0	+ 47.6	81.5	117.	141.	150.	147.	127.	91.7	+ 55.3
3.0	+ 42.7	+ 70.0	+ 98.3	+ 116.	+ 123.	+ 119.	+ 102.	+ 74.5	+ 46.4
1.0	+ 31.0	+ 45.9	+ 62.1	+ 72.5	+ 75.8	+ 73.5	+ 63.9	+ 48.1	+ 33.1

1.0		5.0		9.0		13.0		17.0
	3.0		7.0		11.0		15.0	

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:53 10-Mar-95
PROJECT: 34-970 AREA: CONF ROOM-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 6.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.63   MAX=76.0   AVE=38.4   AVE/MIN=   5.80 MAX/MIN= 11.45

G8 <4> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) F032/31K, LLF= 0.66

CONTOUR LEVELS: A= 70.0 B= 60.0 C= 50.0 D= 40.0 E= 30.0
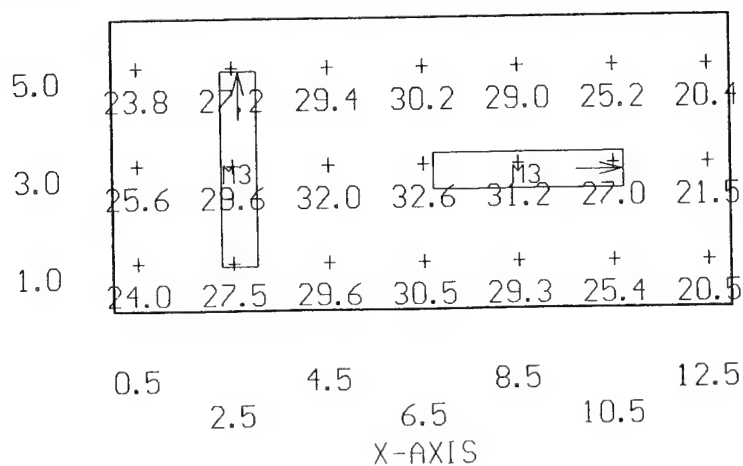

Y-AXIS

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:08 6-Jan-95
PROJECT: 34-970 AREA: FILE ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (V), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=32.5   MAX=88.3   AVE=58.0   AVE/MIN= 1.78 MAX/MIN= 2.71

F <2> = 9753 COLUMBIA 4PS2*-87-244, (4) F40CW, LLF= 0.68

Y-AXIS

```
        +-------------------------------------------+
        |  +     +     +     +     +     +     +     |
  8.5   | 32.5  41.8  46.3  46.4  46.1  42.1  33.2  |
        |                                           |
        |  +     +     +     +     +     +     +     |
  6.5   | 48.7  67.0  73.9  73.3  73.7  67.6  50.1  |
        |         +-----------+       +-----------+ |
        |  +    | + F  +->  |  +    | + F  +->  | + |
  4.5   | 56.6 |80.1  88.2|  86.7 |88.3  81.3| 58.6|
        |       +-----------+       +-----------+   |
        |  +     +     +     +     +     +     +     |
  2.5   | 48.8  67.0  74.0  73.7  74.4  68.4  50.6  |
        |                                           |
        |  +     +     +     +     +     +     +     |
  0.5   +-32.5--41.9--46.5--46.9--46.8--42.8--33.8--+

         1.0         5.0         9.0        13.0
              3.0         7.0        11.0
                        X-AXIS
```
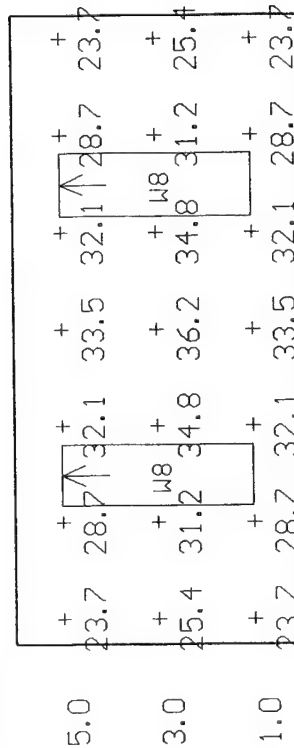
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   11:55 10-Mar-95
PROJECT: 34-970 AREA: FILE ROOM-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=6.28   MAX=41.9   AVE=19.0   AVE/MIN= 19.0   AVE/MIN= 3.02 MAX/MIN= 6.68

G8 <1> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.66

Y-AXIS

	1.0	3.0	5.0	7.0	9.0	11.0	13.0
8.5	6.63	12.1	19.6	22.6	19.0	11.4	6.28
6.5	9.54	18.6	29.5	34.5	28.6	17.6	8.88
4.5	10.4	21.2	35.0	41.9	33.8	20.0	9.64
2.5	9.59	18.7	29.7	34.8	28.8	17.7	8.93
0.5	6.69	12.2	19.9	22.8	19.3	11.5	6.33

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:15 6-Jan-95
PROJECT: 34-970   AREA: COPIER ROOM   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=20.4   MAX=32.6   AVE=27.2   AVE/MIN=   1.33 MAX/MIN=   1.59

M3 <2> = K8966 COLUMBIA K440-T, (4) F40CW, LLF= 0.36

Y-AXIS

```
      +      +      +      +      +      +      +
5.0  23.8   27.2   29.4   30.2   29.0   25.2   20.4

      +      +M3    +      +      +M3    +      +
3.0  25.6   29.6   32.0   32.6   31.2   27.0   21.5

      +      +      +      +      +      +      +
1.0  24.0   27.5   29.6   30.5   29.3   25.4   20.5


      0.5         4.5         8.5        12.5
            2.5         6.5        10.5
                    X-AXIS
```
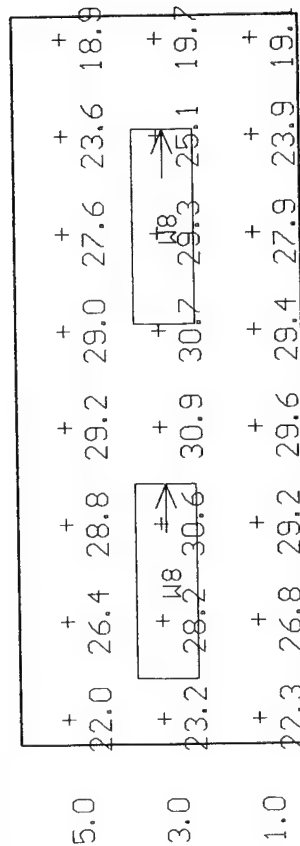
USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:03 10-Mar-95
PROJECT: 34-970 AREA: COPIER ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=23.7   MAX=36.2   AVE=29.7   AVE/MIN= 1.25 MAX/MIN= 1.53

W8 <2> = K9604 COLUMBIA WCW240-A, <2> F032/35K, LLF= 0.66

Y-AXIS

5.0   +   +   +   +   +   +
      23.7   28.7   33.5   32.1   28.7   23.7

                            W8   W8

3.0   +   +   +   +   +   +
      25.4   34.8   36.2   34.8   31.2   25.4

                            W8   W8

1.0   +   +   +   +   +   +
      23.7   28.7   33.5   32.1   28.7   23.7

        0.5   4.5   8.5   12.5
           2.5   6.5   10.5

                  X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:21 6-Jan-95
PROJECT: 34-970 AREA: STORAGE ROOM GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recomendations

+ MIN=21.2   MAX=34.6   AVE=29.5   AVE/MIN=   1.39 MAX/MIN=   1.64

A <2> = K9604 COLUMBIA WCW240-A, <2> F40CW, LLF= 0.68
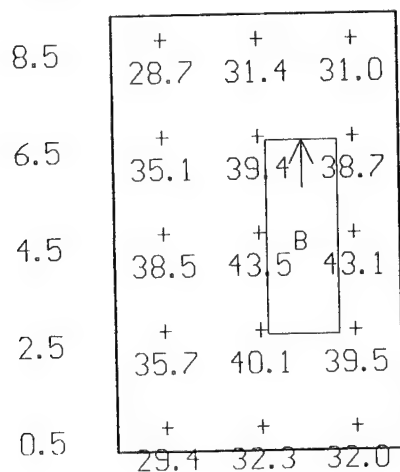
Y-AXIS

```
5.0    +       +       +       +       +       +       +
      24.7    29.6    32.3    32.8    32.5    30.9    26.5    21.2

3.0    +       +A+     +       +       +A+     +       +       +
      26.0    31.6    34.3    34.6    34.4    32.8    28.2    22.

1.0    +       +       +       +       +       +       +       +
      25.0    30.0    32.7    33.1    32.9    31.3    26.8    21.

       0.5     2.5     4.5     6.5     8.5    10.5    12.5    14.5
                                 X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:05 10-Mar-95
PROJECT: 34-970 AREA: STORAGE ROOM-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=18.9   MAX=30.9   AVE=26.3   AVE/MIN=   1.39 MAX/MIN=   1.64

W8 <2> = K9604 COLUMBIA WCW240-A, (2) F032/35K, LLF= 0.66

Y-AXIS

```
       +     +     +     +     +     +     +     +
5.0   22.0  26.4  28.8  29.2  29.0  27.6  23.6  18.9

                                          W8
       +     +     +     +     +     +     +     +
3.0   23.2  28.2  30.6  30.9  30.7  29.3  25.1  19.7
              W8

       +     +     +     +     +     +     +     +
1.0   22.3  26.8  29.2  29.6  29.4  27.9  23.9  19.

      0.5   2.5   4.5   6.5   8.5  10.5  12.5  14.5
                        X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:29 6-Jan-95
PROJECT: 34-970   AREA: WOMEN'S LOUNGE   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=28.7   MAX=43.5   AVE=35.9   AVE/MIN=   1.25 MAX/MIN=   1.52

B <1> = K9691 COLUMBIA WPW440-A, (4) F40CW, LLF= 0.68

Y-AXIS

```
        +       +       +
8.5    28.7    31.4    31.0


        +       +       +
6.5    35.1    39.4    38.7


        +       +  B    +
4.5    38.5    43.5    43.1


        +       +       +
2.5    35.7    40.1    39.5


        +       +       +
0.5    29.4    32.3    32.0

       1.0             5.0
              3.0
            X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:07 10-Mar-95
PROJECT: 34-970 AREA: WOMENS LOUNGE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=15.0   MAX=22.8   AVE=18.8   AVE/MIN= 1.25 MAX/MIN=   1.52

W8 <1> = K9604 COLUMBIA WCW240-A, <2> FO32/35K, LLF= 0.66

Y-AXIS

```
8.5    +       +       +
     15.0    16.5    16.2

6.5    +       +      + 20.3
     18.4    20.7

4.5    +       +      + 22.5
     20.3    22.8   W8

2.5    +       +      + 20.7
     18.7    21.0

0.5    +       +       +
     15.4    16.9    16.7

       1.0    3.0     5.0
              X-AXIS
```
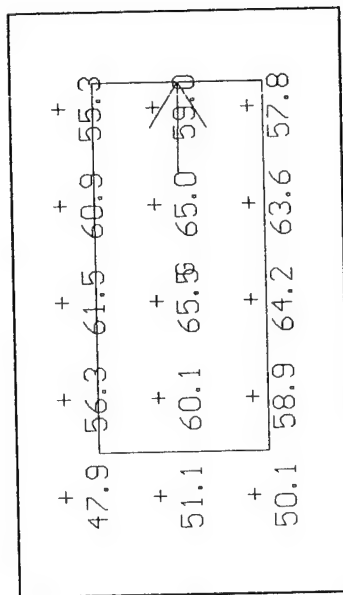
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   15:45 6-Jan-95
PROJECT: 34-970   AREA: RESTROOMS   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.08   MAX=15.1   AVE=8.66   AVE/MIN=   8.02 MAX/MIN= 13.95

X2 <2> = B1999A PRESCOLITE 1222-262, (1) 75A19/SW, LLF= 0.82

Y-AXIS

```
        ┌──────────────────┐
        │   +        +      │
8.5     │ 1.09     1.08     │
        │                   │
        │   +        +      │
6.5     │ 4.69     4.63     │
        │                   │
        │   +        +      │
4.5     │ 10.9     10.7     │
        │                   │
        │   +   X2   +      │
2.5     │ 15.1     14.8     │
        │                   │
        │   +        +      │
0.5     └──────────────────┘
          12.0   11.8

        1.0
              3.0
        X-AXIS
```
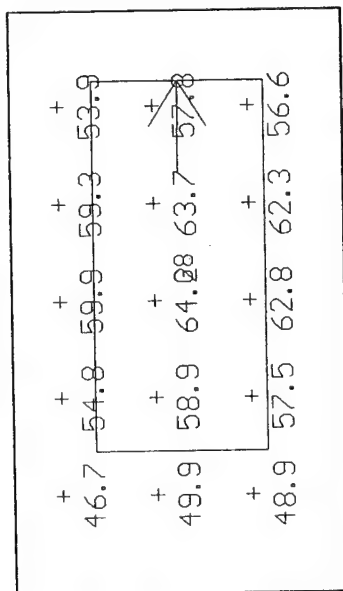
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:13 10-Mar-95
PROJECT: 34-970 AREA: RESTROOMS-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=1.70   MAX=17.6   AVE=7.99   AVE/MIN=   4.70 MAX/MIN=   10.34

CF <2> = B1777A PRESCOLITE CF123526-462, <1> F26DTT/27K, LLF= 0.50

Y-AXIS

```
      +      +
8.5   1.71   1.70

      +      +
6.5   3.62   3.59

      +      +
4.5   8.49   8.29

      +  CF  +
2.5   17.6  16.6

      +      +
0.5   9.25   9.03

      1.0    3.0
      X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 15:50 6-Jan-95
PROJECT: 34-970 AREA: ALCOVE GRID: Ceiling
Values are FC, SCALE: 1 IN= 2.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=47.9   MAX=65.5   AVE=58.5   AVE/MIN=   1.22 MAX/MIN=   1.37

G <1> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

```
3.0       +       +       +       +       +
         47.9    56.3    61.5    60.9    55.3

2.0       +       +       +       +       +
         51.1    60.1    65.5    65.0    59.0

1.0       +       +       +       +       +
         50.1    58.9    64.2    63.6    57.8

0.0
     0.0     1.0     2.0     3.0     4.0     5.0     6.0
                          X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:15 10-Mar-95
PROJECT: 34-970 AREA: ALCOVE-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 2.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=46.7   MAX=64.2   AVE=57.1   AVE/MIN= 1.22 MAX/MIN= 1.38

G8 <1> = 9868 COLUMBIA T84PS2*-84-242-2E0CT, <2> FO32/31K, LLF= 0.66

Y-AXIS

```
      3.0      +      +      +      +      +
             46.7   54.8   59.9   59.3   53.9

      2.0      +      +      +      +      +
             49.9   58.9  64.08  63.7   57.8

      1.0      +      +      +      +      +
             48.9   57.5   62.8   62.3   56.6

      0.0
          0.0   1.0   2.0   3.0   4.0   5.0   6.0
                          X-AXIS
```
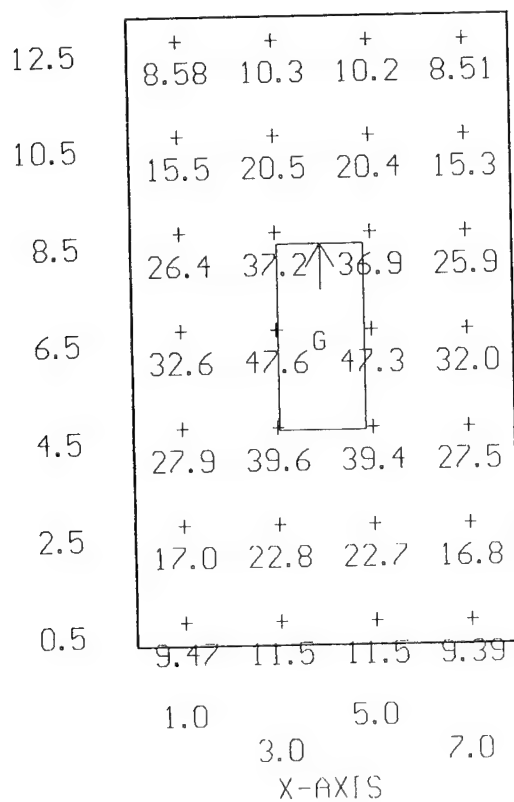
USI's LITE*PRO V2.27E Point-By-Point Numeric Output   16:07 6-Jan-95
PROJECT: 34-970   AREA: KITCHEN   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=8.51   MAX=47.6   AVE=23.2   AVE/MIN=   2.73 MAX/MIN=   5.59

G <1> = 9975 COLUMBIA 4PS2*-52-242, (2) F40CW, LLF= 0.68

Y-AXIS

```
              +      +      +      +
   12.5     8.58   10.3   10.2   8.51

              +      +      +      +
   10.5     15.5   20.5   20.4   15.3

              +      +      +      +
    8.5     26.4   37.2  36.9   25.9

              +      +  G   +      +
    6.5     32.6   47.6   47.3   32.0

              +      +      +      +
    4.5     27.9   39.6   39.4   27.5

              +      +      +      +
    2.5     17.0   22.8   22.7   16.8

              +      +      +      +
    0.5     9.47   11.5   11.5   9.39

            1.0          5.0
                 3.0          7.0
                 X-AXIS
```

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 14:17 10-Mar-95
PROJECT: 34-970 AREA: KITCHEN-N GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=7.24   MAX=47.3   AVE=22.7   AVE/MIN= 3.13 MAX/MIN=   6.53

G8 <1> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, (2) FO32/31K, LLF= 0.66

Y-AXIS

12.5	+ 7.32	+ 9.16	+ 9.14	+ 7.24
10.5	+ 14.8	+ 20.2	+ 20.1	+ 14.5
8.5	+ 26.3	+ 36.9	+ 36.7	+ 25.8
6.5	+ 32.5	+ 47.3	+ 46.9	+ 31.9
4.5	+ 27.9	+ 39.4	+ 39.1	+ 27.4
2.5	+ 16.4	+ 22.6	+ 22.4	+ 16.1
0.5	8.21	10.5	10.4	8.11

| 1.0 | 3.0 | 5.0 | 7.0 |

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output 16:12 6-Jan-95
PROJECT: 34-970 AREA: HALLWAY GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=12.4   MAX=46.3   AVE=28.9   AVE/MIN= 2.33 MAX/MIN= 3.74

G <2> = 9975 COLUMBIA 4PS2*-52-242, <2> F40CW, LLF= 0.68

Y-AXIS

3.0	+ 15.3	+ 24.5	+ 37.1	+ 44.9 G	+ 39.5	+ 27.3	+ 18.6	+ 16.7	+ 21.1	+ 31.4	+ 42.5	+ 43.2 G	+ 32.4	+ 20.1	+ 12.4
1.0	+ 15.7	+ 25.1	+ 38.2	+ 46.3	+ 40.6	+ 27.9	+ 18.9	+ 17.0	+ 21.7	+ 32.3	+ 44.0	+ 44.7	+ 33.3	+ 20.6	+ 12.6
	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0

X-AXIS

USI's LITE*PRO V2.27E Point-By-Point Numeric Output   14:19 10-Mar-95
PROJECT: 34-970 AREA: HALLWAY-N   GRID: Ceiling
Values are FC, SCALE: 1 IN= 4.0FT, HORZ GRID (U), HORZ CALC, Z= 2.5
Computed in accordance with IES recommendations

+ MIN=10.8   MAX=45.3   AVE=27.5   AVE/MIN=   2.55 MAX/MIN=   4.20

G8 <2> = 9868 COLUMBIA T84PS2*-84-242-2EOCT, <2> F032/31K, LLF= 0.66

Y-AXIS

```
        +      +      +      +      +      +      +      +      +      +
3.0   13.6   23.3   35.9   43.7   38.3   26.1   16.7   14.0   19.2   31.5   19.1   10.8
                            G8↑                              G8↑
        +      +      +      +      +      +      +      +      +      +
1.0   13.9   23.9   37.1   45.3   39.6   26.7   16.9   14.2   19.7   32.5   19.6   11.0

      1.0    5.0    9.0   13.0   17.0   21.0   25.0   29.0
          3.0    7.0   11.0   15.0   19.0   23.0   27.0
                              X-AXIS
```
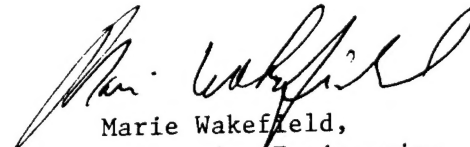
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